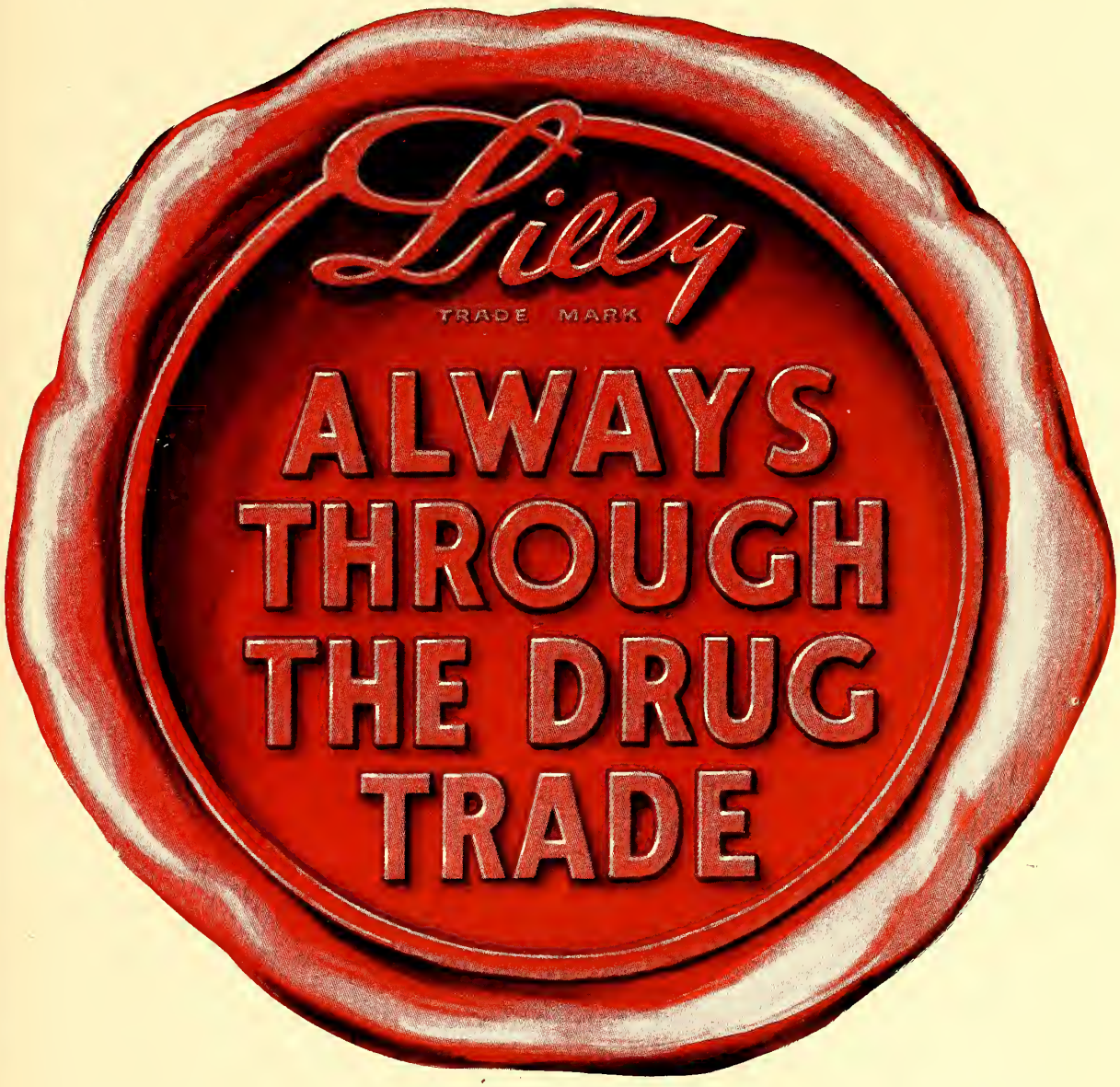
The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2 *Registered as a Newspaper*

No. 3033
VOL. CXXVIII

MARCH 26, 1938

Annual Subscription (with Diary) 20/-. *Single Copies* 9d.



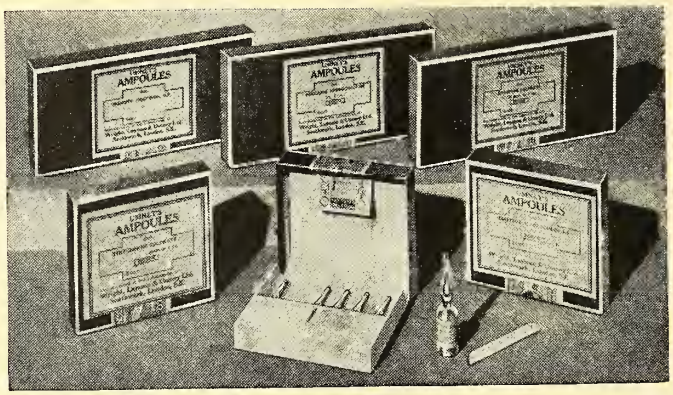
ELI LILLY & COMPANY LIMITED
2, 3 and 4, Dean Street, LONDON, W.1
Telephone : Gerrard 2144 *Telegrams : Lillypharm, Rath, London*
DISTRIBUTING AGENT IN BRITAIN FOR ELI LILLY AND COMPANY, INDIANAPOLIS, U.S.A.

Index to Advertisers, pp. 5 *&* 6.

BULK DRUGS · DISINFECTANTS · TOILET PREPARATIONS · PACKED PHARMACEUTICALS

WRIGHT, LAYMAN & UMNEY ltd

UMNEY'S AMPOULES



Prepared from the purest drugs under expert supervision.
The Ampoules are made from the finest alkali free amber glass.
Sterilisation is carried out under the latest English and Continental methods to ensure a minimum loss of drug activity.
Ampoules of any desired formula can be made to customers' requirements.
Sizes available :—½, 1, 1·5, 2, 4, 5, 10, 15, 20, 25, 50 and 100 cc.

N.B.—The 1 cc. size contains 1·1 cc. of fluid to enable the physician to extract a complete cc. with the hypodermic syringe.

"A reputation that is sound and enduring is more valuable than a passing success, however spectacular, and it cannot be built up in a day."
For 50 years a policy of supplying only the finest pharmaceutical preparations at reasonable prices has been consistently maintained.

SOUTHWARK · LONDON
HOP·2315

Still *more* Baby Food Business for you this Winter...

Thanks to OSTERMILK

THE SUCCESSFUL BABY FOOD

still costs only 2/-

per tin making 6 pints of food at the price of household milk

All over the country Pharmacists are getting back their Baby Food trade by displaying and recommending Ostermilk. In doing so many have expressed astonishment that a turnover they had practically resigned to the dairyman should show such immediate and continuous increase.

Yet if you look "behind the scenes" you will see at once how Ostermilk has *made sure* of putting British chemists back on the map for Baby Food sales. Economy of price, sheer excellence of the product, a consistent, vigorous and sensible policy of advertising . . . free from the least hint of exaggeration . . . and sound work all along the line. On top of this is the Ostermilk Baby Book—modern, practical, complete. Most helpful of all, chemists themselves say, is the Ostermilk Post Card scheme —a key to new business which *one-fourth of the entire drug trade* has already proved to be marvellously effective.

ONE-SIXTH OF ALL BRITAINS' BABIES

are on Ostermilk, and the number is steadily growing *every day*. The new 176-page Ostermilk Baby Book is playing a great part as an educative sales factor. It is by a mothercraft expert who is a mother herself.

ONE-FOURTH OF ALL BRITAIN'S CHEMISTS

. . . are using the Ostermilk Post Card Scheme. They find it a direct bringer of new and repeating business without costing a penny. It is the simplest thing in the world for YOU to do the same. Write for details.

OSTERMILK DEPARTMENT, GLAXO LABORATORIES LIMITED, GREENFORD, MIDDX. BYRon 3434

GL293

A A

Important Announcement

Concerning The World-Famous

HOLLOWAYS

BRAND

PILLS and OINTMENT

For 100 years the name of Holloway has been synonymous with Health and Healing. Since 1837 the fame of these twin remedies, Holloways Brand Pills and Holloways Brand Ointment, has spread to every corner of the British Isles and throughout the World.

This year, as part of a considerably increased and progressive advertising programme, we are :—

1. INTRODUCING "POPULAR 1d. SCREWS" of HOLLOWAYS BRAND PILLS and ALSO A 3d. BOX.
2. INTRODUCING A 3d. TIN OF HOLLOWAYS BRAND OINTMENT.

Thus, the Holloway Preparations will be made available to a wider circle.

Big New Drive

OLD STOCKS WILL BE EXCHANGED

Old stocks will be exchanged if returned through your usual wholesaler or direct to the address below.

NEW PILL PACKS

Trade Terms
(P.A.T.A.)

HOLLOWAYS
Brand
OINTMENT

3d.	Size - - -	**2/3** Doz.
1/3	,, - - -	**11/3** ,,
3/-	,, - - -	**27/-** ,,
5/-	,, - - -	**45/-** ,,

HOLLOWAYS
Brand
PILLS

3d.	Size -	**2/3** Doz.
1/3	,, -	**11/3** ,,
3/-	,, -	**27/-** ,,
5/-	,, -	**52/-** ,,

WINDOW SHOW TERMS

Quantities of not less than £2 worth assorted Pills and/or Ointment are subject to a special discount of 10% for 14 days' Window Display.

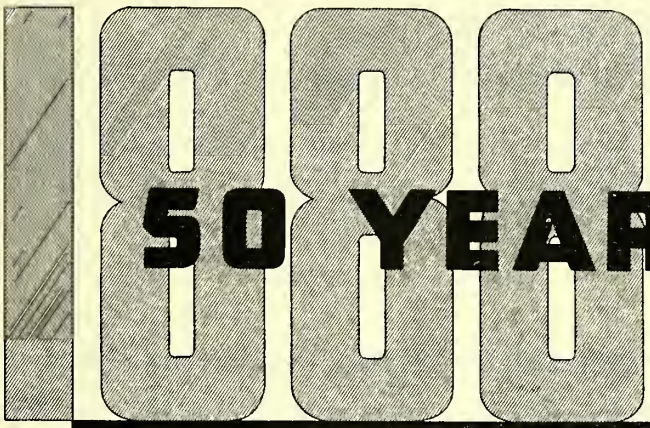
Carriage paid home.

(The above terms do not apply to EIRE)

NEW OINTMENT PACKS

For more than 100 years Holloways Brand Pills and Holloways Brand Ointment have been sold throughout the World. This year, plans have been made for a considerably increased advertising campaign and a **BIG DEMAND IS ANTICIPATED.** This will mean increased business for you and you are advised to keep a regular stock of these famous remedies.

NOTE NEW ADDRESS :- MANUFACTURED BY :— HOLLOWAY'S PILLS, LTD., 12, CLIPSTONE STREET, LONDON, W.1



JUBILEE YEAR

50 YEARS AGO...

PHENACETIN
WAS DISCOVERED IN THE
BAYER LABORATORIES

TODAY AFTER HALF A CENTURY OF RESEARCH AND EXPERIENCE 'BAYER' FINE CHEMICALS ARE KNOWN THROUGHOUT THE WORLD FOR THEIR PURITY, EFFICACY, RELIABILITY AND CONSISTENCY IN QUALITY

THE 'BAYER' RANGE OF FINE CHEMICALS INCLUDES
AMIDOPYRIN *(THE ORIGINAL)*
BARBITONE
BENZONAPHTHOL
HEXAMINE
METHYL SALICYLATE
PHENAZONE
SULPHONAL *(THE ORIGINAL)*

Fifty Years of
1888 BAYER *1938*
PHARMACEUTICAL PRODUCTS

LARGE STOCKS HELD IN LONDON

BAYER PRODUCTS LTD., Africa House, Kingsway, London, W.C.2.
NORTHERN OFFICE (Information only), Blackfriars House, Parsonage, Manchester.

300,000 a week

is the huge sale of

CURICONES

THE FAMOUS ANTI-RHEUMATIC CAPSULES

Share in this regular and profitable output

Used or recommended by over 6,000 doctors—sales of 'Curicones' are still rising!

Retail prices : One bottle 5/-, three bottle package 14/-, six bottle package 24/-.

Write to-day for display materials and all details of this nationally advertised product to :

STEPHEN MATTHEWS & CO., LTD.

MANUFACTURING CHEMISTS, 19-21, FARRINGDON ST., LONDON, E.C.4

ESTABLISHED 1842
F S & Co Ltd
GREAT TURNSTILE

CHEMISTS' PRINTERS SINCE 1842.

PROPRIETARY AND PROPRIETY

To stress the distinction of ownership implied in "proprietary"; to conform to every detail of professional decorum; to possess intrinsic selling-value—these you will agree are the attributes of a first-class label for the pharmacist's own preparations.

We have been designing and printing millions of such labels during the last 95 years. Our unique knowledge on the subject ensures your satisfaction; our modern outlook and equipment ensures you a moderate price. Send us the data *re* your proposed label and we will submit suggestions.

FORD, SHAPLAND & CO. LTD.

Great Turnstile, High Holborn, LONDON, W.C.1 *Holborn 4695.*

We also supply Bags, Envelopes, Dispensing Labels, Wrapping Paper, Prescription Books, Handbills, Toothbrush Envelopes.

INDEX TO ADVERTISERS

Allen, Stafford, & Sons, Ltd. (Medicinal Resins) 20
Anglo-French Drug Co., Ltd. (Iodamelis (Logeais), &c.) xi
Armstrong Cork Co., Ltd. (Corks) 30
Arnfield, J. C., & Sons, Ltd. (Raspberry Vinegar, &c.) iv
Aspro, Ltd. (Aspro) vii
Association of Manufg. Chemists, Ltd. Col. Supp.
Autoway Co. (Baby Scales) 16
Ayrton-Graham, Ltd. (Shopfittings) ... 31
Ayrton, Saunders & Co., Ltd. (Wholesale Druggists) 15

Bayer Products, Ltd. (' Prontosil,' &c.) 3, Leader Page, i
Beatson, Clark & Co., Ltd. (Bottles) ... 8
Bell, John, Hills & Lucas, Ltd. (Tin-Ox Tablets) .....Leader Page
Benger's Food, Ltd. (Foods) 36
Benhil Machinery Co., Ltd. (Filling and Packing Machines) 29
Box, W. H. (Box's Pills) x
Buckley-Bowker Tablet Co., Ltd. (Tablets, &c.) v
Burrough, James, Ltd. (S.V.R. for Tinctures) .....Leader Page
Burroughs Wellcome & Co. (' Tabloid ' Ephedrine Hydrochloride, &c.) 35

Carnegie Bros., Ltd. (Chemicals, &c.)... iv
Cartwright, W. B., Ltd. (Adrax Tablets) 5
Chemical & Natural Products, Ltd. (Scrubbs' Cloudy Ammonia and Femilan Tablets) .....Cover iv, 10
Chemical Workers' Union, The ...Col. Supp.
Chemist and Druggist, The .....Leader Page
Christy, T., & Co., Ltd. (Cachets and Cachet Machines) 36
Cooper McDougall & Robertson, Ltd. (Vermin Powder, &c.) 12
Cossor, A. C., & Son (Thermometers), Ltd. (Clinical Thermometers) 25
Coty (England), Ltd. (Toilet Preparation) 23
Cox, A. H., & Co., Ltd. (Pills and Tablets, &c.) 8
Croda, Ltd. (Olive Oil) 34

Davenport, J. T., Ltd. (Chlorodyne) ... x
Dearborn (1923), Ltd. (Mercolized Wax) 21
Delf, W. M., & Co. (Soft Soap, &c.) ... 21
Dick, W. B., & Co., Ltd. (Liquid Paraffin) xii
Dols Volatalise Flannel, Ltd. 34
Dudley & Co., Ltd. (Glass Counters) ... 14
Duke Pharmaceutical Co. (Plastrodine) 34

Eucryl, Ltd. (Dentifrice, &c.) 16
Evans Sons Lescher & Webb, Ltd. (Novasorb.) 13
Everett, S. & R. J., & Co., Ltd. (Hypodermic Needles) 27

Fairchild Bros. & Foster Inc. (' Panopepton ') .....Leader Page
Fassett & Johnson, Ltd. (Gauzband) ... 25
Fellows Medical Manfg. Co., Ltd. (Fellows Syrup) viii
Ford, Shapland & Co., Ltd. (Labels, &c.) 4
Forster Brushes, Ltd. (Shaving Brushes) 16

Freeman, W., & Co., Ltd. (Suba-Seals) 25
Fromm, Herbert (Finger Stalls, &c.) xiv

George, Ernest J., & Co. (Valuers, &c.) Col. Supp.
Gibson, Robert, & Sons, Ltd. (Sulphur Specialities) ix
Glaxo Laboratories, Ltd. (Ostermilk Baby Food) 1
Goya (Perfumery) 22
Graesser, N. H. (Phenol B.P., &c.) ii
Graesser Salicylates, Ltd. (Salicylates) ii
Grout & Co., Ltd. (Crepe Binders and Bandages) 26
Guest, Thos., & Co., Ltd. (Vox Bronchial Pastilles) 6

Hackett, S. E. (Film Overstocks) Col. Supp.
Hadfield, Henry, Ltd. (Bottle Boxes) ... xii
Hall, Forster & Co., Ltd. (Vapourisers) 34
Haller Laboratories, Ltd. (Danysz Virus) 31
Harrison, A., & Sons, Ltd. (Cartons, &c.) 32
Harvey & Co. (Dublin), Ltd. (Veterinary) 31
Harwoods Laboratories, Ltd. (Serocalcin Tablets) .....Leader Page
Hedley, T., & Co., Ltd. (Glycerine) ... 34
Holloway's Pills, Ltd. (Pills & Ointment) 2
Hosezene Co., Ltd., The (Sanitary Towels) 26
Hubbuck, T., & Son, Ltd. (Oxide of Zinc) ii

[*Continued overleaf*

Successful National seller

Due to the cumulative effect of constant recommendation and consistent advertising, Moorlands are in greater demand than ever. Moreover, no other 7½d. nationally advertised article sells in such quantity as Moorlands and yields anything approaching the same percentage of profits.

MOORLAND
BRAND
INDIGESTION TABLETS

W. B. CARTWRIGHT LTD.
RAWDON, LEEDS

Rapidly winning Success

" Non-stop " Publicity, growing demand, increasing profits. Three good reasons why " Adrax " Brand Treatment is the worthwhile display line in Kidney and Bladder remedies. Nationally advertised, sold to the public on a money back guarantee —MADE BY THE MAKERS OF MOORLANDS— your guarantee for sound marketing and continuous advertising support.

ADRAX BRAND
TREATMENT
FOR THE
KIDNEYS & BLADDER

INDEX—cont.

Ingram & Royle, Ltd. (Vichy Water, &c.) xiii
Ioco Rubber & Waterproofing Co., Ltd., The (Hospital Sheetings) 24

Jackson, J. G., & Crockatt, Ltd. (Filling Machines) 29
Josephs, Philip, & Sons, Ltd. (Shopfittings) ..... 30, Col. Supp.

Kay Bros., Ltd. (Moth Destroyer) ix
Killgerm Co., The iv

La Parfumerie Moderne 22
Levermore, A., & Co., Ltd. (Precipitated Chalk) 34
Lilly, Eli, & Co., Ltd. (Pharmaceutical Preparations) ..... Front Cover
Lincoln and Midland Counties Drug Co., Ltd. (Clarke's Blood Mixture) ... vi
Liverpool School of Pharmacy 30
Lockers (Engineers), Ltd. (Rotex Screeners) 28
Lofthouse & Saltmer, Ltd. (Halibut Liver Oil) viii

McClure, Young & Co., Ltd. (Packed Goods, &c.) 31
Manesty Machines, Ltd. (Tablet Machines) 33
Matthews, D., & Sons, Ltd. (Shopfittings) 30
Matthews, S., & Co., Ltd. (Curicones, &c.) 4
Maund, F., & Berg, E., Ltd. (Showcases) ..... Col. Supp.
Maw, S., Son & Sons, Ltd. (Toothbrushes, &c.) 11
May & Baker, Ltd. (Bismuth Carbonate, &c.) 17
Merz & Co., Ltd. (Patentex Contraceptive) 27

Monsanto Chemicals, Ltd. (Benzoates) ..... Cover iii
Mosans Quinine Pessaries 26

National Association of Opticians 34
Newball & Mason, Ltd. (Masona "Nightcap" Drink) xi
Newmark, M., & Co. (Clean-be-tween Toothbrush) 21

Olley, C., & Sons, Ltd. (Corks) 33
Ormerod Engineers, Ltd. (Q.P. Emulsifier) 29
Orridge & Co. (Valuers, &c.) ..... Col. Supp.

Paramount Products, Ltd. (Pastilles)... xi
Perry & Hope, Ltd. (Phosphate of Soda) 34
Porteus, Geo., & Sons (Leeds), Ltd. (Machinery) xii
Potter & Clarke, Ltd. (Wholesale Druggists) 19
Premier Oil Extracting Mills, Ltd. x
Prescriber, The 34
Prosit Products, Ltd. (Pine Bath-Cocktail) 34
Purfinol, Ltd. (Liquid Paraffin, &c.) ... iv

Radio-Active Mineral Water Co., Ltd. (Gastein Spa Waters) 9
Reckitt & Sons, Ltd. ('Dettolin') vi
Rendell, W. J., Ltd. (Quinine Pessaries) 18
Richardson, John, & Co. (Leicester), Ltd. (Pills) 7
Roberts' Patent Filling Machine Co., Ltd. 28
Rouse Bros. (London), Ltd. (Packed Powders) v
Rozalex, Ltd. (Rozalex Ointment) 34
Rudduck & Co. (Shopfittings) ..... Col. Supp.
Ru-Mari, Ltd. (Ru-Mari Brand Compound) 36

Savory & Moore, Ltd. (Ethical Medical Products) ix
Scott & Bowne, Ltd. (Toilet Preparations) 34
Scurr, C. A. (Optical Tuition) ..... Leader Page
Sharplin, W. J., Ltd. (Stoppers) xi
Smith, T. & H., Ltd. (Alkaloids) iii
Solazzi Liquorice iii
Soho, Ltd. (Cameras) 14
Southalls (Birmingham), Ltd. (Sanitary Towels, &c.) 24, 27
Splendor, Ltd. (Tampax) 27
Stemco, Ltd. (Forhans) 22
Sterns, Ltd. (Oils, Petroleum) viii
Sturge, J. & E., Ltd. (Citric Acid) v
Surgical Hosiery Co., Ltd. (Elastic Hosiery) 26
Swales, T. (Dispensing Bottles) 30

Teasdale Chlorodyne Co., The (Chlorodyne, &c.) 34
Thompson & Capper (Wholesale), Ltd. (Manesty Machinery) 33
Tilbury, W. R., & Son (Toothbrushes) 22
Tokalon, Ltd. (Poudre Tokalon, &c.) ... 34
Treble & Co. (Shopfittings) 32
Tyrer, T., & Co., Ltd. (Chemicals) iii

Ward, T., & Sons, Ltd. (Wardonia Razors, &c.) 21
Webb, Wm. A., Ltd. (White Monarch Dispensing Balance) 33
Webster, Isaac, & Sons, Ltd. (Stainless Steelware) 28
White, J. F., & Co. (Kompo) viii
Willows, Francis, Butler & Thompson, Ltd. (Chemical Food) ..... Leader Page
Wright, Layman & Umney, Ltd. (Umney's Ampoules) ..... Cover ii

Yestamin Co (Dried Yeast Powder and Tablets) 34

Zeal, G. H., Ltd. (Clinical Thermometers) 24

The Outstanding Bronchial Pastille of Recognised Merit and Popularity

VOX
BRONCHIAL PASTILLES

SURE SHIELD — THE SURE SHIELD — SERIES — REG° REG° — BRAND — SURE SHIELD

ATTRACTIVE DISPLAY MATTER

8-lb. lots 2/6 per lb. 14-lb. lots 2/3 per lb. 28-lb. lots 2/- per lb.
With Free 2-lb. Counter Glass Show Jar.

ATTRACTIVE WINDOW DISPLAY MATTER

12 doz. 2-oz. Cartons, 2 doz. 4-oz. Cartons, free per 28 lb. The formula is printed on every carton. Special quotations for 56-lb. and 1-cwt. lots.

VOX PASTILLES in Tins

Small 4/6 per doz., 48/- per gross. Large 8/6 per doz., 96/- per gross

THOS. GUEST & CO. LTD.

Manufacturing Chemists, **CARRUTHERS ST., MANCHESTER 4** London Warehouse: 15 & 16 Jewry St., E.C.

Richardson's

HAVE MADE SINCE 1793

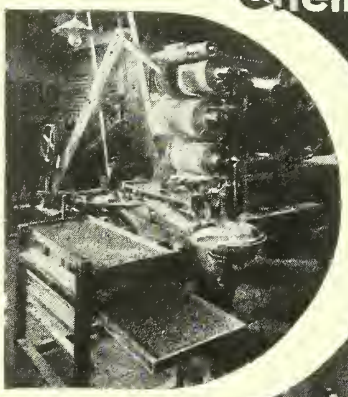
LET US QUOTE FOR YOUR REQUIREMENTS

•

John Richardson & Co
(LEICESTER) LTD.,
Manufacturing Chemists
EVINGTON VALLEY ROAD · LEICESTER

Private Formula work

Pills and Tablets
manufactured under the control of
Analytical and Qualified Chemists



ONE OF OUR LARGE 'PILL MAKING' MACHINES

Below: SPECIAL COATING

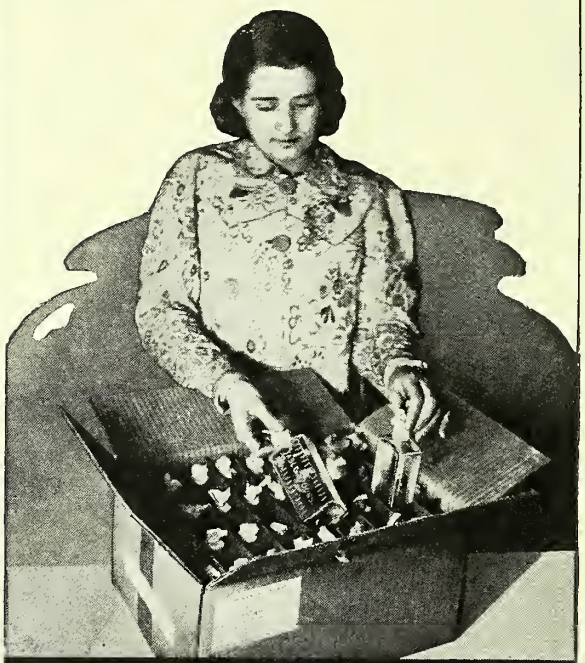
Coated or Uncoated
Bulk or Packed

A SECTION OF OUR BOX MAKING AND SHOW-MATERIAL DEPT.

Exceptionally keen prices

COX of BRIGHTON
Estab. 1839
ARTHUR H. COX & Co. LTD.

BEATSON, CLARK SERVICE



Sterilized Bottle Service for Dispensers ★

The Beatson, Clark Service in "ready-for-use" washed and sterilized dispensing medicals, handily packed in cartons, has been used by many of our customers for years, and with great satisfaction, for it saves busy dispensers both time and trouble.

The bottles as you take them from the carton, can be relied upon, for each has been washed several times, inside and out in hot distilled water, dried with filtered hot-air and oven baked, and enclosed and inserted in the carton *immediately* on emergence from the oven. It is thus free from any possible contamination and can be put straight into use.

This service applies to all forms of bottle and closure (cork mouth, moulded cap, metal screw cap).

Particulars of sizes and quantities packed in cartons:

Up to and including 8 oz. size	*3 dozen*
10 and 12 oz. sizes - -	*2 dozen*
16 and 20 oz. sizes - -	*1 dozen*

BEATSON, CLARK & CO., LTD.
MANUFACTURERS OF
Chemical & Medical Glass
ROTHERHAM YORKS.

B.C.19

For 500 years doctors have been prescribing it—
NOW YOU CAN SELL IT . . . . .

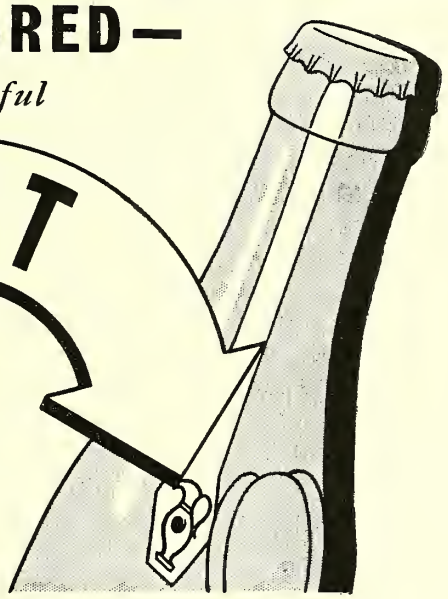
GASTEIN

Spa Water

NOW AVAILABLE IN BOTTLES—WITH THE RADIO-ACTIVITY UNIMPAIRED—

thanks to Dr. Klinghoffer's Wonderful

'K' ELEMENT



For 500 years Gastein Spa Waters have been making money for others—NOW IT'S YOUR TURN. Thanks to the 'K' Element, a discovery of the Austrian scientist Dr. Klinghoffer, the waters of this world-famous Austrian Spa indefinitely retain their curative and tonic properties when bottled. The consequences are obvious. Doctors will be prescribing Gastein Water for home consumption. The public will be drinking it in copious quantities for its manifold benefits. At last a radio-active Spa Water is available when and where it is required! Advertising plans are in hand. Send now for supplies and further information.

GUARANTEE. The full radio-activity of bottled Gastein Water is guaranteed by the Department of Measures of the Radium Institute (Curie Laboratory) Paris.

Gastein Water is prescribed for
RHEUMATISM, ARTHRITIS, GOUT
and similar ills
LIVER and NERVOUS COMPLAINTS
and as a
TONIC and REVITALIZER

AS AT THE SPRING-HEAD SO IN THE BOTTLE!

ORDER NOW! Gastein Water is tasteless and odourless. It can be taken alone or with spirits. Be ready for the demand and order your supplies NOW! Full details of special offers and educative literature on Gastein Water sent free on request. Please apply to the

General Agents :
THE RADIO-ACTIVE MINERAL WATER CO. LTD.
49 Southwark Street, London, S.E.1

Gastein is £ife

D.A 2

FEMILAN!

Not merely another analgesic—but a product that *every* woman has been waiting for. It carries a

BIG PROFIT for you.

Heavy National Advertising begins on April 25 in the following publications.

Daily Mirror, Daily Sketch, Glasgow Bulletin, Woman, Woman's Weekly, Woman's Own, Home Notes, Home Chat, Silver Star, Peg's Paper, Lucky Star, Woman's Companion, Woman's Friend, Home Journal, Weekly Illustrated, Miracle, Red Letter, Weekly Welcome, Family Star, Family Journal, Home Companion, Woman's World, Woman's Illustrated, My Weekly, Woman's Way, Flame, Oracle, Eve's Own, Red Star, Secrets, Picturegoer, Film Pictorial, Film Weekly, Picture Show

Giving a total circulation of over 9 million women and a readership of at least

15,000,000 WOMEN

Order Now! Stock up at once! Use the attractive counter display, leaflets, etc., to link up with the advertising.

ALLIED LABORATORIES LIMITED

announce

Femilan (Regd.) BRAND TABLETS

FOR THE RELIEF OF DYSMENORRHŒA

A New product offering quick and lasting relief with these 4 advantages

1. Deals with the **cause** — not the symptoms.
2. Restores blood circulation to normal.
3. No reaction — no depressing effect on the heart.
4. Contains no narcotics.

Femilan deals with the problems of dysmenorrhœa from an entirely new angle—**it restores the blood circulation to normal condition.** The substances employed are easily assimilable, reinforce each other in their effect and exert a specific action resulting in a feeling of well-being, which should be the natural state. This is achieved with relatively small doses.

RETAIL PRICES

1/3 & 3/-

TRADE PRICE

11/3 per doz. and **27/-** per doz.

Extra 10 per cent. on order for 2 doz. tins.

Special bonus offer available to 30/4/38 on minimum orders of 3 dozen, 13 to the dozen in addition to above discounts.

SOLE DISTRIBUTORS:

CHEMICAL & NATURAL PRODUCTS Ltd., Thames House, Queen Street Place, London, E.C.4

Phone: Central 6550

NOW DISNEY'S MASTERPIECE SNOW WHITE FILM R-E-L-E-A-S-E-D

LONDON OF MAW

DISNEY TOOTHBRUSH HOLDERS TO CHEMISTS' TRADE

Snow White and the Dwarfs has just been successfully released in London. At last there has been a film which has pleased all the critics.
Why not be the first to cash in on this artistic masterpiece, by showing these Holders and Toothbrushes in your locality?

★ N.B.—DELIVERY IN STRICT ROTATION

TOOTHBRUSH HOLDERS

Fascinating scale model replicas in gleaming hand-painted porcelain—Snow White, Doc, Happy, Sleepy, Grumpy, Dopey, Sneezy and Bashful ... 11/9 per dozen
1/6 retail

DE LUXE TOOTHBRUSHES

with the delightful two dimensional motifs securely fixed on the end of each Toothbrush handle. Heads transparent wrapped. Artistic coloured handles
7/8 per dozen
1/- retail

POPULAR TOOTHBRUSHES

Kiddies' Longhead Brushes with handles stamped in colours with Snow White and Seven Dwarfs designs ... ... 4/- per dozen
6d. retail

MERCHANDISER DEAL AS ILLUSTRATED

The attractive mat type Merchandiser, as illustrated, is free of charge with one dozen assorted Snow White and Dwarf Holders and one dozen de Luxe Toothbrushes. Total cost 19/5. Shows you over 33⅓% profit on return.

PUT THIS MERCHANDISER ON YOUR COUNTER OR IN YOUR WINDOW AND LINK UP PROFITABLY WITH THIS STUPENDOUS FILM.

SOLE DISTRIBUTORS OF

BEWARE OF THE DOG-flea
(CTENOCEPHALUS CANIS)
YOU'RE APT TO FORGET HIM because he's so small, but he's big enough to carry up to 20 embryo tapeworms, waiting their chance to involve you in endless trouble and expense. Eliminate this risk of worms—87% of tape-worm infections are due to dog fleas—and the other risks as well, simply by following the
COOPER HEALTH ROUTINE ★
1 TO PREVENT TAPEWORMS—Spend five minutes once a week dusting your dog's coat with Pulvex, to keep him free from fleas and all flea-borne parasites. A 6d. tin lasts several months.
2 TO PREVENT ROUNDWORMS—Spend thirty seconds once a day sprinkling his main meal with Cooper's Vitamin Ration, to give him vital elements he won't get any other way. A 1/6 tin lasts two months.
NO FLEA CAN LIVE on a Pulvex'd dog within a week of your dusting him, which cuts out the flea risk. The other risks are reduced to the minimum by C.V.R., which, with its vitamins A, B, and D, builds up the dog's resistance to all infection; and, with its mineral salts, cures the habit of eating excrement—the main cause of roundworm infection. Eating excrement is an attempt to make good the lack of these essential salts. No normal diet can certainly provide them, with the other vital factors scientifically combined in C.V.R. C.V.R. accordingly is indispensable.
IF YOUR DOG HAS WORMS NOW, Cooper's Liquid Worm Remedy will rid him of the lot, tapeworms and roundworms, with as little distress and danger as may be. Then the Cooper Health Routine, faithfully followed, will prevent the need for repeated worming.
★ This simple routine was devised and perfected by Cooper's own Research Bureau, which carries on the only research work done on these lines in this country. For any further information that will help you, please write as fully as you can to the Dog Remedies Department.
PULVEX VERMIN POWDER 6d and 1/3 sprinkler tins | COOPER'S VITAMIN RATION 1/6, 2/9, and 4/6 | COOPER'S LIQUID WORM REMEDY Small dogs 1/3, larger dogs 2/6 bottles
FROM ALL CHEMISTS AND DOG SHOPS
COOPER, McDOUGALL & ROBERTSON LIMITED, BERKHAMSTED, HERTS

THE FEAR OF FLEAS will be put into everyone that sees this advertisement, reprinted now in miniature from the 'Tailwagger' etc. Are you prepared to cash in on it? There's a lot of money to be made on dogs. We know vet. counters in quite small shops turning over a steady £5 per week. Have *you* got one? You can't make a better start than with the Cooper Health Routine, nor find a better mainstay. Three sales in one and nine times the profit in the year.

PULVEX VERMIN POWDER 6d and 1/3 sprinkler tins | **COOPER'S VITAMIN RATION** 1/6, 2/9, and 4/6 | **COOPER'S LIQUID WORM REMEDY** Small dogs 1/3, larger dogs 2/6 bottles

TRADE TERMS—less 33⅓% and less 5% cash monthly

COOPER, McDOUGALL & ROBERTSON LIMITED, BERKHAMSTED, HERTS

NOVASORB

Regd. Trade Mark Brand

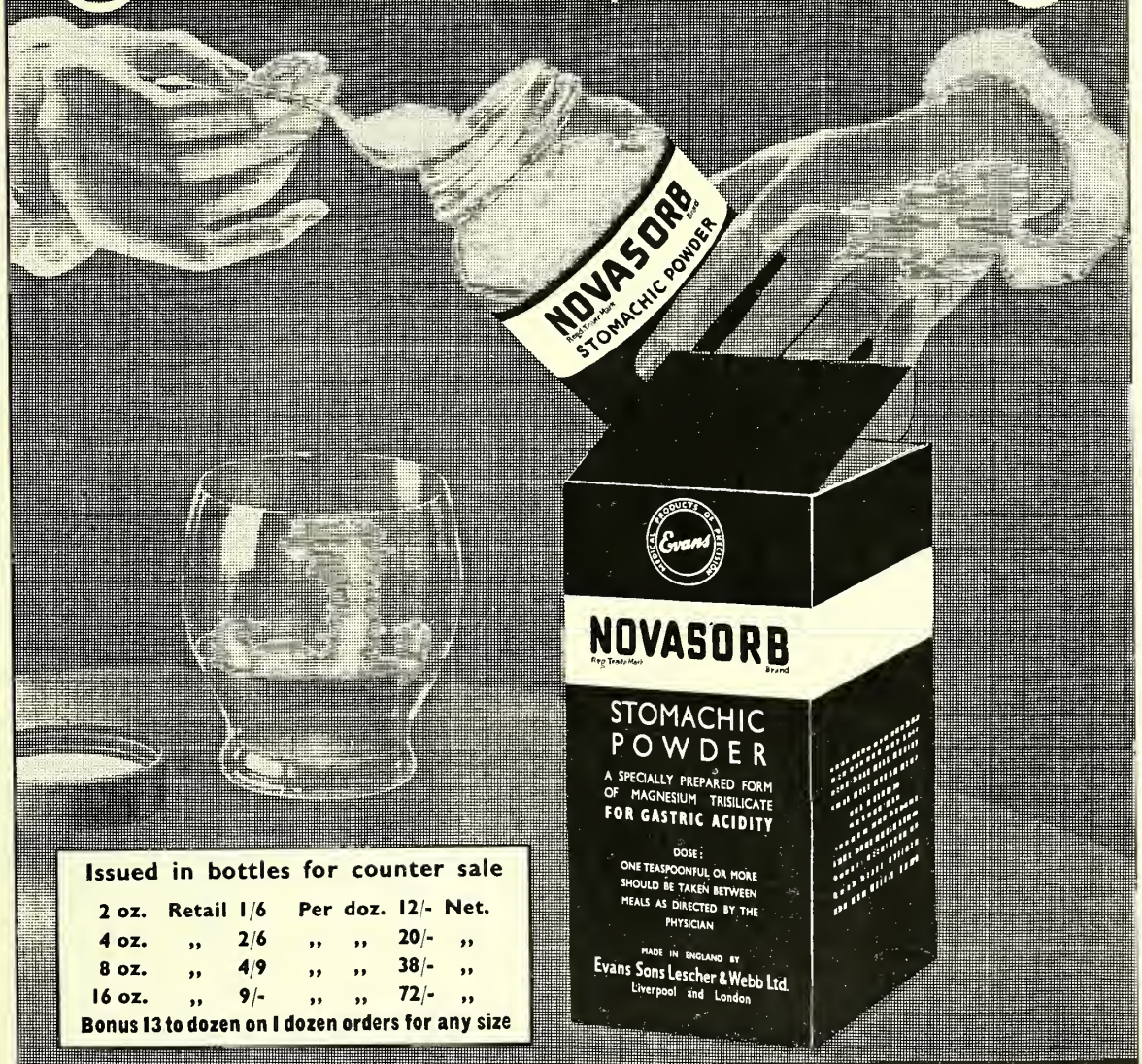
Synthetic Magnesium Trisilicate

The Modern Treatment for Stomach Hyperacidity

TWO REASONS WHY YOU SHOULD dispense and recommend NOVASORB

Novasorb has the correct chemical composition

Novasorb shows the best profit on re-sale



Issued in bottles for counter sale

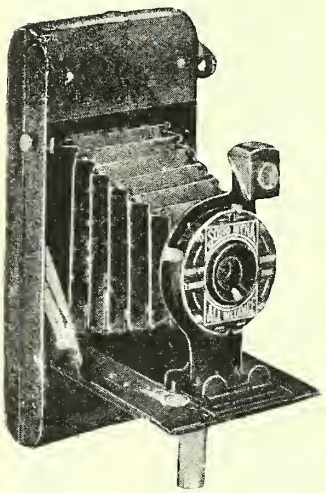
2 oz.	Retail	1/6	Per doz.	12/-	Net.
4 oz.	,,	2/6	,, ,,	20/-	,,
8 oz.	,,	4/9	,, ,,	38/-	,,
16 oz.	,,	9/-	,, ,,	72/-	,,

Bonus 13 to dozen on 1 dozen orders for any size

Evans Sons Lescher & Webb Ltd.

LIVERPOOL and LONDON

Tell the Novice



who is seeking an inexpensive and easily handled Camera that he cannot do better than start with

The "SOHO MYNA"

The new all-distance model needs no special attachment for portraits and other near subjects. The construction is simplicity itself and the cost negligible.

Specification: Camera body—black crystalline metal finished, fittings chromium-plated. Takes pictures 3¼″ x 2¼″. Shutter—time and instantaneous. Lens—single meniscus type. View-finder—horizontal and vertical use. Bellows—hard-wearing synthetic material. Spool chamber—with cradle to facilitate loading.

PRICE ONLY

15/-

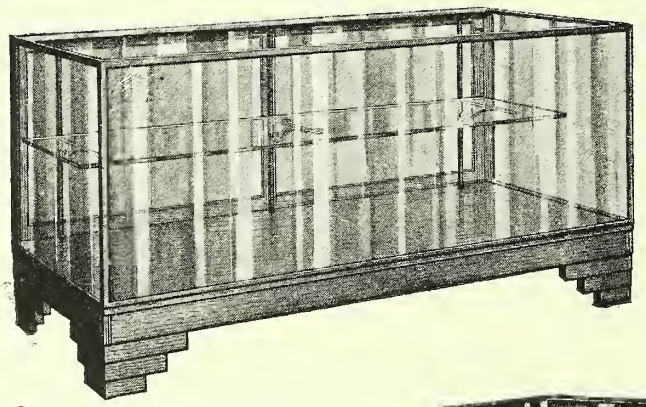
Or with Doublet Lens, **20/-**

Sole Agents for IRISH FREE STATE:
POLLOCK & CO. (Ireland), LTD.,
50 Grafton Street, Dublin

Full details and trade terms from:

SOHO LIMITED - 3 SOHO SQUARE - LONDON W.1

Member of the Scientific Instrument Manufacturers' Association of Great Britain



Increase your SALES— with these Glass Counters

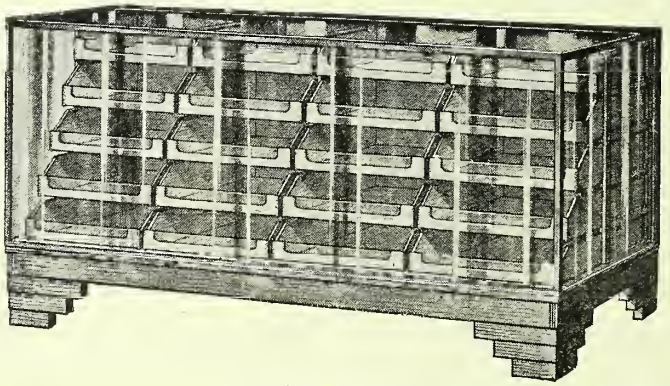
No. CDF 5260 R Glass Counter. 6 ft. long × 3 ft. high × 2 ft. deep. Glazed ¼-in. drawn plate glass, sliding glass doors at back. One row of 12 in. glass shelves. Polished Light Oak. **£8.15.0.** Mahogany finish. **£9.0.0.**

Send for our Catalogue No CD 1755/1810.

Gladly Supplied on Graduated Payment Terms

No. CDF 5283 R Quickserving Counter. Fitted 20 trays, each with glass front. Drawn plate glass throughout. 6 ft. long × 3 ft. high × 2 ft. deep. Polished Light Oak **£14.10.0.** Mahogany finish **£14.15.0.**

Fully illustrated list No. CD 1755 of Display Stand Showcases etc., free on request.



DUDLEY & COMPANY LTD.
HOLLOWAY, LONDON, N.7

Holloway Showrooms:
451 HOLLOWAY ROAD, N.7
'Phone: Archway 4221 (10 lines)

City Showrooms: 65 FORE STREET, E.C

— Carriage Extra —

ANTISEPTIC HEALING CREAM

The famous Pink Ointment in the Red and White Box

with a greater sale than all others in its class, is now supported by this fine

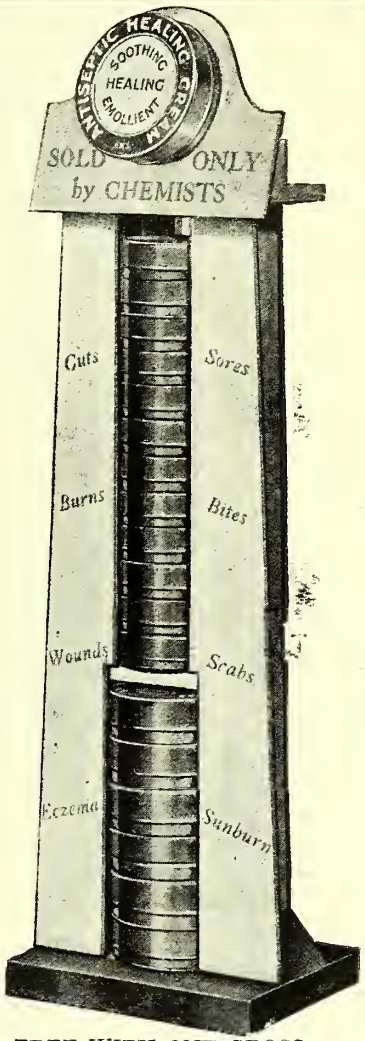
DISPENSER DISPLAY UNIT

Antiseptic Healing Cream is a "Chemist's Own" item, without proprietary garb, unstamped and saleable only by chemists. The product, although the formula is published, has never been approached by others in elegance of manufacture or efficacy in use. It has won for Ayrtons a world-wide renown as producers of the finest ointments and cremors.

The Display is soundly constructed with laminated wood, highly finished in red and primrose cellulosed colours, washable and permanent. Its counter-space is a mere six inches; it holds one dozen small and half-a-dozen large tins, which are served to the customer by a finger-tip push of the bottom tin through the relative aperture. The canopy carries an actual specimen of the famous tin and forces home the "chemists only" quality argument: on each side of the column the uses are emphasised. Customers have already written, *"Sales jumped immediately."*

DISPLAY GRATIS WITH FIRST ASSORTED GROSS

	doz.	gross	3-gross	5-gross	10-gross
SMALL SIZE	2/-	22/6	21/6	20/-	19/-
LARGE SIZE	3/9	42/-	41/-	40/-	38/-



FREE WITH ONE GROSS ASSORTED SIZES

BRIGHTEN UP YOUR TOOTHBRUSH DISPLAY

FREE DISPLAY STAND

AYRTONS ARE

even with lines which are not covered by the C. F. SCHEME

ASCOL TOOTHBRUSH DISPLAY.

Solidly built of wood and brilliantly cellulosed. Fitted with one of each model ready for counter-display. Each brush celloclear wrapped and sealed.

	Per Doz.
No. 6 Popular concave tufted ...	4/6
,, 7 Shorted, convex	7/6
,, 8 Concave, White	7/6
,, 9 Prophylactic	7/6
,, 11 Child's tufted concave ...	4/-
,, 12 Ladies' concave	7/6
,, 13 Concave prophylactic ...	9/-
,, 14 Shorted, assorted	10/-
,, 15 Straight chiselled	14/-

Free with any assortment value approximately fifty shillings including the displayed set, trade value 6/-. No charge whatever for display stand.

AYRTONS (AND AT DUBLIN) LIVERPOOL

GYNÆCOLOGISTS
are recommending daily weighing of
BABY
and in some cases
"TEST WEIGHING"
at home.

Many Pharmacies are selling Baby Scales
WHY NOT YOU ?
Become an AUTOWAY SCALE Agent
Our show cards create sales

18/6 Postage Packing **1/-**

Retail Price **26/6**

Tare Adjusting Screw

Sponge Rubber Matt **2/-**

AUTOWAY CO., 13 Wellington St., GLASGOW

BOUGHT ON DISPLAY TERMS YIELD
PROFIT ON SELLING PRICE **43%** PROFIT ON BUYING PRICE **75%**
SHOWCARDS ON REQUEST
EUCRYL LTD. Manufacturing Chemists, SOUTHAMPTON

WE MAKE SHAVING BRUSHES FROM SUPERFINE BADGER TO PURE HOG

ASK YOUR WHOLESALER FOR THIS ATTRACTIVE DISPLAY STAND AND OUR KEEN PRICE CATALOGUE

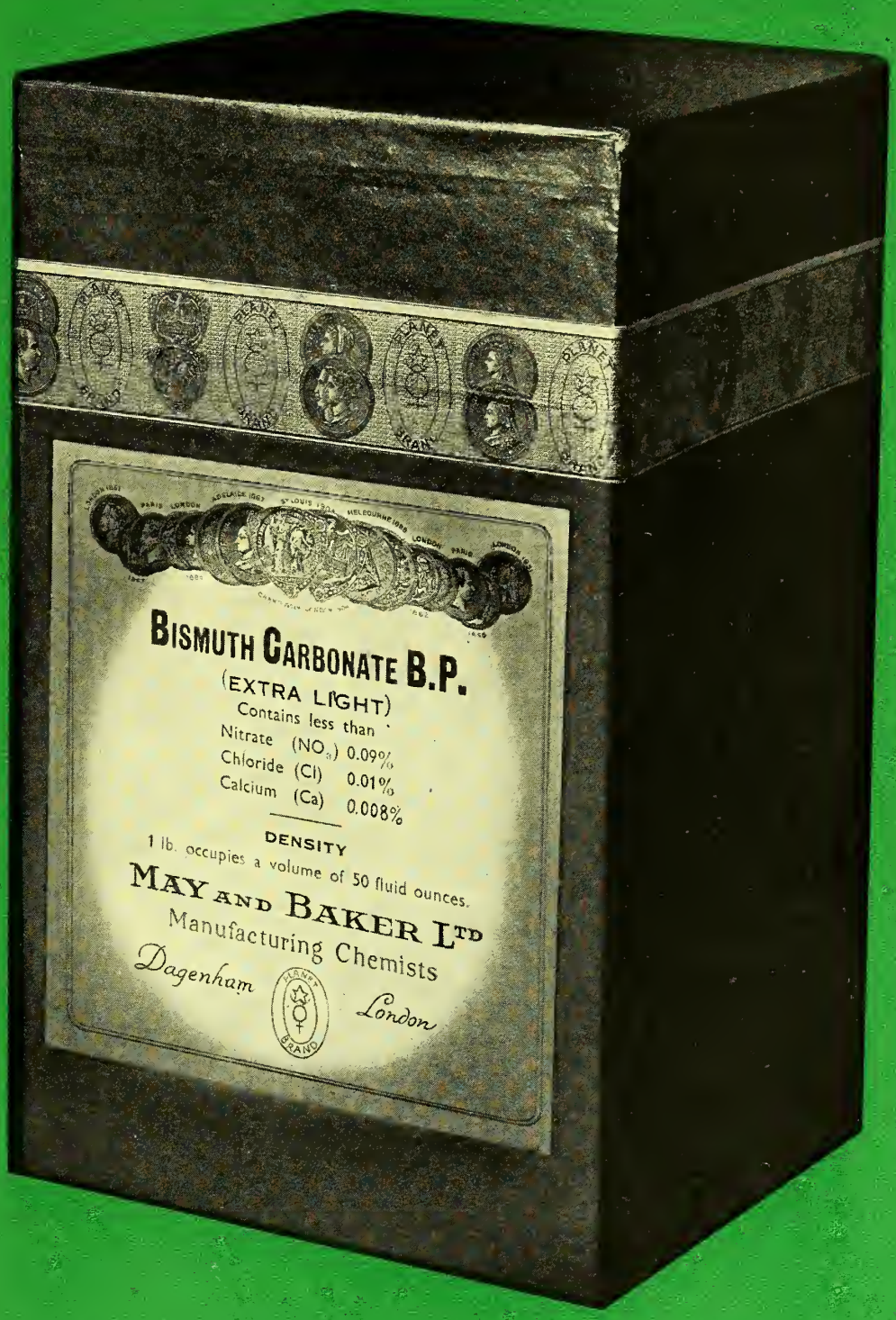
OR WRITE DIRECT TO

FORSTER
BRUSHES LTD.
15 HATTON WALL
HATTON GARDEN
LONDON, E.C.1

'GRAMS : SUBRUSCO, SMITH, LONDON
'PHONE : CHANCERY 8631
CABLES: SUBRUSCO, LONDON
ESTABLISHED 1840

Dispense BISMUTH MIXTURE

For DIGESTIVE TROUBLES IN ADULTS AND CHILDREN



For guaranteed purity and uniform whiteness and bulk always specify:—

BISMUTH CARBONATE B.P.

MAY & BAKER Ltd. Dagenham

Telephone ILFORD 3060

50 YEARS OF SATISFACTION HAVE PROVED RENDELLS RELIABILITY

■ For over 50 years the RENDELLS Contraceptive has been used all over the World, and to-day its reputation stands higher than ever. It is absolutely reliable and completely fulfils the exacting demands which the Medical Profession requires of such an important product.

Send for the latest Chemists' Advertising Material. It attracts new customers and gives confidence to the regular purchaser.

W. J. RENDELL LTD. 161/165, ROSEBERY AV. LONDON EC.1

These two Remedies are always backed by

★ **BONUS TERMS**
★ **NATIONAL ADVERTISING**
★ **60 YEARS A HOUSEHOLD WORD**

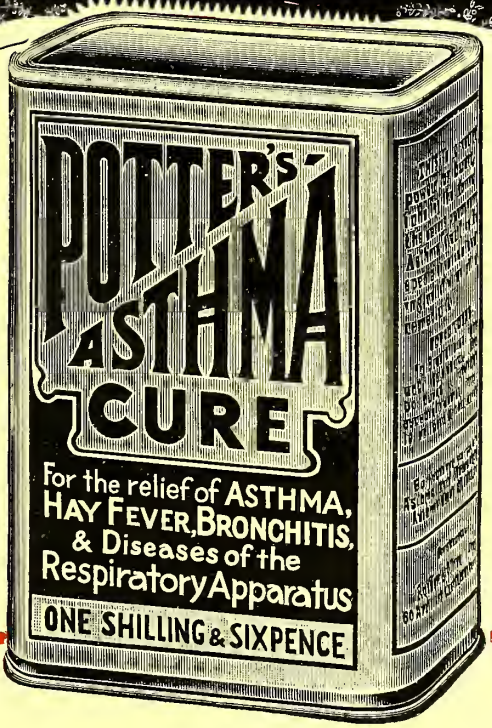
POTTER'S ASTHMA & CATARRH REMEDIES

A sure protection against infectious diseases
POTTER'S CATARRH PASTILLES
CURES COUGHS, COLDS, HAY FEVER, BRONCHITIS.
Allow to dissolve slowly in the mouth breathing through the nose to allow the healing properties to act directly upon the respiratory organs
MEDICINE STAMP DUTY

Consistently advertised in all the great national newspapers thus ensuring a big demand

P.A.T.A. 1/3, 11/– Doz.
Packed in ½ Doz.

POTTER & CLARKE LTD.


POTTER'S ASTHMA CURE
For the relief of ASTHMA, HAY FEVER, BRONCHITIS, & Diseases of the Respiratory Apparatus
ONE SHILLING & SIXPENCE

Retail 1/6, Wholesale 14/– doz.
Packed in ½ Doz.

60-64 ARTILLERY LANE, LONDON, E.1
'PHONE : BISHOPSGATE 4761 (5 lines)
'GRAMS: HOREHOUND, PHONE, LONDON

77 DANTZIC STREET, MANCHESTER, 4
'PHONE : BLACKFRIARS 8734
'GRAMS : HOREHOUND, MANCHESTER

BONUS TERMS

POTTER'S ASTHMA REMEDIES

On orders for 6 dozen Potter's Asthma Remedies and/or Catarrh Pastilles we offer a bonus discount of 5% (Journey account, or if no journey, monthly account) in return for a window display of these goods. The prices of Potter's Advertised Remedies are

POTTER'S ASTHMA CURE 14/- doz.
POTTER'S ASTHMA CIGARETTES 14/- doz.
POTTER'S SMOKING MIXTURE 7/- doz.
POTTER'S CATARRH PASTILLES 11/- doz.

StaffAllenS

MEDICINAL RESINS

SCAMMONY

Ordinary and White.

JALAP

Ordinary and Jalapin.

PODOPHYLLIN

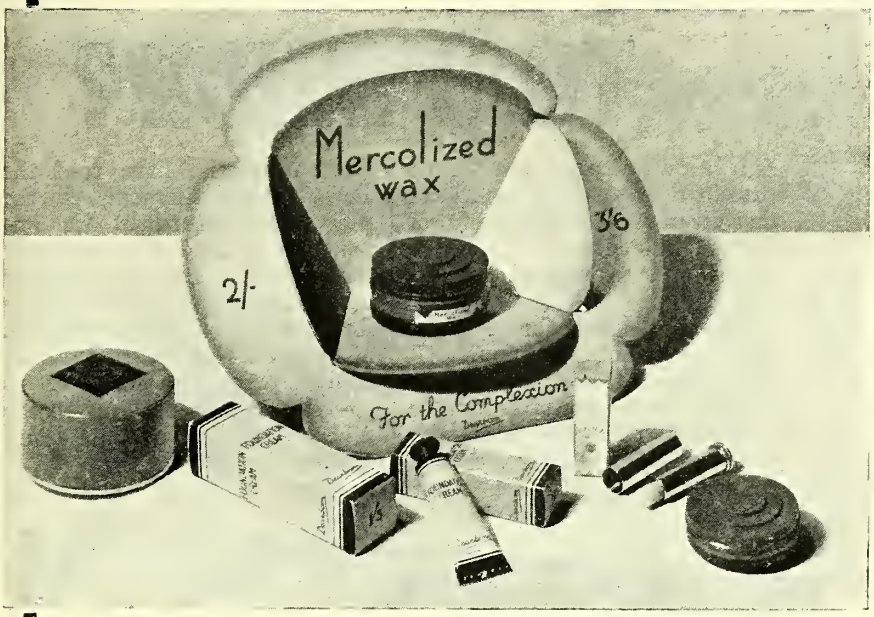
Emodi and peltatum.

Whether they are for prescription work, or for incorporation into pills or tablets, StaffAllenS resins are of the very best obtainable, and, as is so essential for formula work, are of an unvarying high quality from one delivery to the next.

Remember to write to StaffAllenS before you buy again.

STAFFORD ALLEN & SONS LTD.
COWPER STREET, FINSBURY, LONDON, E.C.2

BIGGER PROFITS ON Mercolized Wax



MERCOLIZED WAX
16/– 28/– 2/– 3/6
per doz. retail

COMPLEXION POWDER
14/– per doz. 1/9 retail

POWDER CREAM
8/– per doz. 1/– retail

FOUNDATION CREAM
6/– 10/– 9d. 1/3
per doz. retail

LIP STICK
28/– per doz. 3/6 retail

A BONUS of 10% on £3 assorted orders is offered for a display of MERCOLIZED WAX.

Excellent Show Material and Counter Booklets on request.

Dearborn (1923) Ltd. 37 Gray's Inn Road, London, W.C.1

TELEPHONE : HOLBORN 9669

COCOANUT OIL SOFT SOAP
SEED OIL SOFT SOAP
LIQUID SHAMPOOS
LIQUID TOILET SOAP BASES

W. M. DELF & CO.

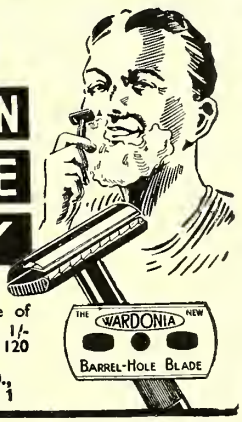
Soap & Disinfectant Manufacturers

DELCO WORKS, RICE LANE, LIVERPOOL

Telegrams : "Glycerine, Liverpool."

WARDONIA

A CLOSE, CLEAN
QUICK, SHAVE
EVERY DAY



Your customers will prefer the fine shaving qualities and long life of Wardonia Barrel-Hole Blades. Order **NOW**—large range of display material free. Blades retail 4 for 1/- and 10 for 2/6. Cost 21/- per box of 120 blades

Sole Makers : **THOMAS WARD & SONS, LTD., Wardonia Works, Sheffield, 1**

YOU'LL BE ASKED FOR THE

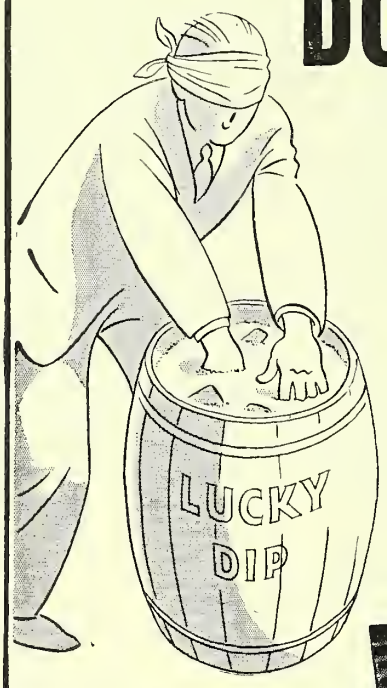
TOOTHBRUSH

BECAUSE it is being increasingly recognised and recommended by Dental Surgeons everywhere as the only toothbrush which can be adjusted to clean behind the teeth where most tartar accumulates. The short head, owing to its adjustability and small size, penetrates to all teeth. The bristles are so arranged that they remove all food particles from between the teeth and massage the tender gum tissues. The handles are permanent, and refill-heads with medium, hard and extra hard bristles are sold separately. These refills are easily removed for sterilization or replacement. *The first scientifically designed toothbrush to combat dental disease.*

REACHES ALL **FIVE** *SURFACES OF ALL TEETH with up-and-down brushing movement urged by Dental Surgeons. PREVENTS DECAY by minimising the accumulation of calculus deposit (Film).*

Dentists are telling their patients to get a Clean-be-tween Toothbrush from their Chemists—be ready to meet the demand. Write for further particulars and attractive Trade Terms to the Sole Distributors for U.K. and I.F.S.

M. NEWMARK & CO.,
77 Milton Street, London, E.C.2.
Phone : METropolitan 3263-4.



DO YOU LEAVE IT TO CHANCE ?

Is it just a matter of luck when a customer asks for a dentifrice that gives you a better profit, or do you influence the choice by means of a prominent Forhans display ?

A good display for Forhans attracts instant attention. It effectively puts over at a single glance Forhans powerful 'double protection' appeal—" does both jobs—cleans teeth : saves gums."

Customers who have read the Forhans advertisements in the press and magazines are immediately reminded of their need for Forhans, and buy. Other customers on the point of asking for a less profitable brand, are often persuaded to try Forhans instead. And you make up to 1/- clear profit on every large tube of Forhans you sell ! And *that's* a *certainty !*

SOLE SELLING AGENTS: STEMCO LTD., 128, ALBERT ST., CAMDEN TOWN, N.W.1

Goya
PERFUMES

ARE:

Nationally advertised

Available in three varieties 'Gardenia,' 'Studio,' 'No. 5'

Sold in three sizes to retail at 42/-, 6/6 and 1/-

Obtainable from your wholesaler or direct from Goya, 4 Whitehorse St., Piccadilly, London, W.1

THE "Lady Nicotine" Regd.
A popular Ladies' Brush

W. R. TILBURY & SON
47 Frampton Park Rd., London, E.9
Est. 1880

LA PARFUMERIE MODERNE

(Established 1908)

An Illustrated Monthly Review of the Perfumery and Allied Industries

The regular publication (in English and Spanish as well as in French) of technical and practical articles on Essential Oils and Synthetic Perfumery Products is a feature of this popular Trade Journal.

Specimen copy and all particulars from

15 rue Constant, Lyon 12 rue Jules-Guesde, Puteaux, Paris

COTY ANNOUNCE Emeraude IN BRAND NEW "HARMONY PACK"

Sensational success in West End

TALCUM POWDER

(left) In glass flask with gilt sprinkler top — subtle suggestion of Emeraude fragrance. Note "Emeraude" stamp. Retail price 3/-. (right) In metal flask— Retail price 2/-.

"FEATHER" BATH SALTS

"Fluted" bottle with green cap. In Emeraude perfume, makes water soft and fragrant. Keeps perfume longer. Retail price 5/-.

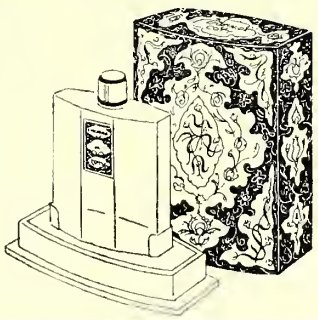
HERE'S a way to bring you bigger sales and quicker profits by stimulating group sales. A method that was received with tremendous enthusiasm by buyers throughout the country in the last few weeks. It is the "individualised perfume" way, introduced by Coty with their new Emeraude line to establish forever in the minds of women the necessity of using the same fragrance throughout the toilet.

THE NEW EMERAUDE LINE

Look at the lovely Emeraude lines illustrated here in their luxurious packs. They are all members of the same Emeraude family — from the cut-crystal perfume bottle to the small metal flask of Talcum Powder — each carries the fragrance of the famous Emeraude perfume. Each carries the same distinctive design.

EMERAUDE PERFUME

In cut crystal bottle with gilt cap. Rich and exotic — for the woman of "moods." Retail price, large size 21/-, medium size 15/6, small size 9/6.



"AIR SPUN" FACE POWDER

Coty's famous "Air Spun" face powder in a special new "Emeraude" box. Sold only in large size to tie up with luxury atmosphere of the whole Emeraude line. Retail price 3/6.

TOILET WATER

Emeraude perfumed Toilet Water. In 4 oz. and 2 oz. size bottles in lovely Emeraude-design hinged box. Retail price 7/6 and 4/6

OTHER EMERAUDE CREATIONS

	Retail Price
The Purser. Emeraude Perfume in Gilt Metal Container for the handbag	3/9
Perfume. Sprinkler-top bottle, containing about ½ oz.	6/6
Perfume. Sprinkler-top bottle, containing about ¼ oz.	3/9
Bath Dusting Powder, with Velour Puff	5/-
Bath Soap. Tablet in individual container	1/9
Toilet Soap. Tablet in individual container	1/3
Liquid Brilliantine	2/-
Sachet Powder, in Glass Flacon	3/6

All these creations are in the distinctive Emeraude design.

Write for particulars of attractive new display material sent with representative orders of this new series

COTY (ENGLAND) LTD., 3 STRATFORD PLACE, LONDON, W.1

IOCO...

Hospital Sheetings

. . . are very strong, have a good finish and will withstand sterilisation.

. . . They are made in various colours and weights to meet the requirements of Hospitals, Poor Law Institutions, etc.

HOSPITAL SHEETINGS

BATISTE
BED SHEETINGS
JACONET
} B.P.C. QUALITIES

THE IOCO RUBBER & WATERPROOFING CO. LTD.
NETHERTON WORKS, ANNIESLAND, GLASGOW

IOCO
FOR SERVICE.

ZEAL

Clinicals

The Choice of Experts

BRITISH MADE

NO HIGHER IN PRICE THAN NONDESCRIPT MAKES

Also Household, Bath and Works Thermometers, the best of their kind

G.H. ZEAL LTD.
LOMBARD RD., MORDEN RD., LONDON, S.W.19
Phone : Liberty 2283-4-5

RETAIL 1/-
DAINTY TINS

For PARTICULAR PEOPLE

For use with Sanitary Towels as a DEODORANT and to prevent chafing. It neutralises body odours at once.

ORDER FROM YOUR WHOLESALE HOUSE

SUBA-SEAL

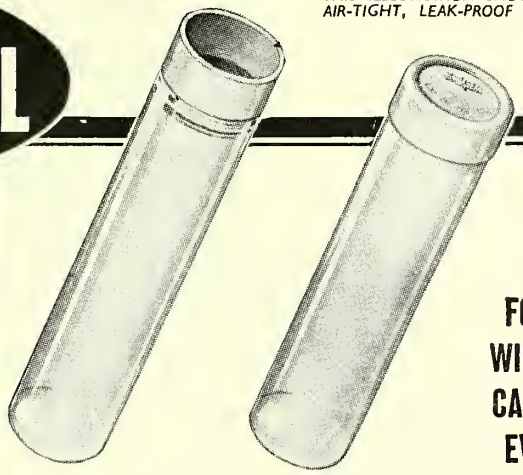
THE NEW HYGIENIC AIR-TIGHT DAMP-PROOF TASTELESS CLOSURE

The 'Suba-Seal'
AUTOMATIC MACHINE

For sealing large quantities of containers, bottles, etc., we can provide an automatic macnine for operation either by hand or power. The initial cost is low and maintenance almost negligible. Maximum efficiency and a high turn of speed are the chief features of this machine. Further particulars will gladly be supplied on request.

THIS ILLUSTRATION SHOWS THE AIR-TIGHT, LEAK-PROOF FITTING

THIS SHOWS HOW THE FLANGE IS FLAPED OVER TO FORM A SECURE SEALED STOPPER



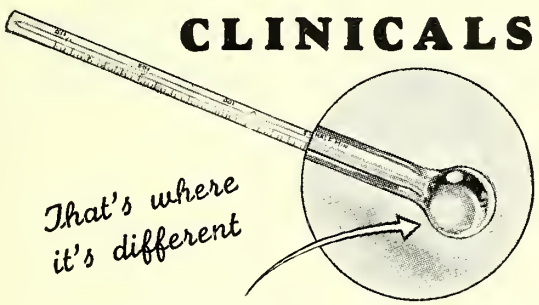
Suba-Seals are unbreakable, interchangeable, and easily fitted. Your own wording can be permanently stamped in relief on the top. These modern closures show a considerable reduction in packing costs, yet assist sales by reason of their neatness. Ask us for literature, samples and prices.

FOR TUBES, WINCHESTERS, CARBOYS AND EVERY TYPE OF BOTTLE LARGE OR SMALL

WILLIAM FREEMAN & CO. LTD.
BRITANNIA HOUSE, WELLINGTON STREET, LEEDS, 1

DISKA BULB Reg. No. 815689

CLINICALS



SALES ARE RAPIDLY INCREASING FOR THIS NEW POPULAR CLINICAL

An eminent Doctor has said :

"There is no reason why the Diska Bulb should not in a short time replace any other type ; it is far the most satisfactory clinical thermometer I have ever used."

OBTAINABLE AT FIXED PRICES FROM ALL WHOLESALE HOUSES

a. b. c.

GAUZBAND

A new type cohesive gauze bandage,

SELF STERILISING

Antiseptic and germicidal

The finest bandage of its kind in the world.

GAUZBAND is an absolutely pure white sterilised gauze bandage which remains sterile even after removal from the package.

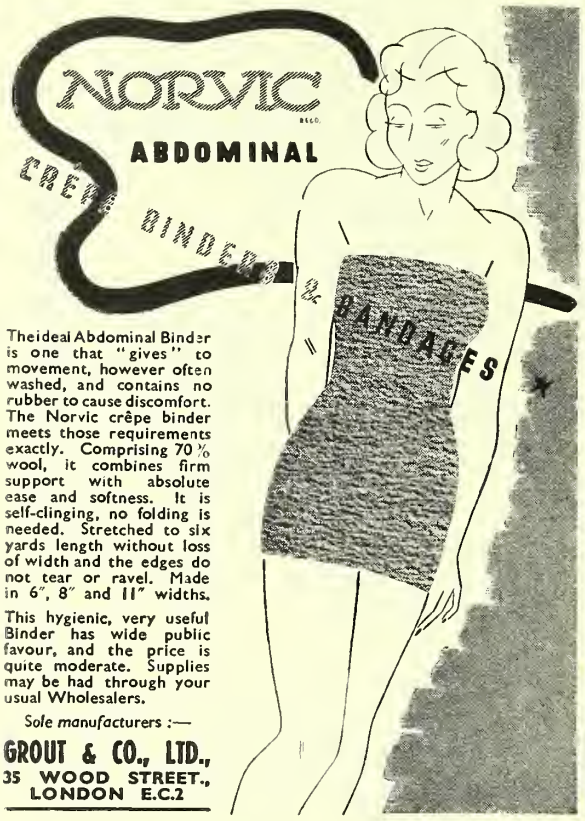
It does not stick to the skin, hair or clothing, but sticks only to itself—hence the term PAINLESS BANDAGE.

DOCTORS WILL RECOMMEND GAUZBAND — LOOK TO YOUR STOCKS.

Retail prices are :
1 in. x 6 ft. **6d.** 1 in. x 15 ft. **1/-.** 1 in. x 45 ft. **2/-**

Write for details of larger sizes and informative leaflet to Sole Distributors for Great Britain :

FASSETT & JOHNSON LTD.
86 Clerkenwell Road, LONDON, E.C.1.



The ideal Abdominal Binder is one that "gives" to movement, however often washed, and contains no rubber to cause discomfort. The Norvic crêpe binder meets those requirements exactly. Comprising 70% wool, it combines firm support with absolute ease and softness. It is self-clinging, no folding is needed. Stretched to six yards length without loss of width and the edges do not tear or ravel. Made in 6", 8" and 11" widths.

This hygienic, very useful Binder has wide public favour, and the price is quite moderate. Supplies may be had through your usual Wholesalers.

Sole manufacturers :—

GROUT & CO., LTD.,
35 WOOD STREET., LONDON E.C.2

Your lady customers have confidence in HOSEZENE products

Over 40 years' reputation for superior quality and reliability ensures steady sales for HOSEZENE Towels.

PERFECT—with the knitted cover and loop ends. Retail at 1/- and 2/9 per dozen

SOLUBLE—packed in cartons of one dozen to sell at 1/- to 1/6 per dozen Has no equal for easy disposal.

COMPRESSED—in great demand for holidays and travelling. In cartons of one dozen to retail at 1/3 to 2/3 per dozen.

Free Samples and terms on application to the manufacturers.

Hosezene Sterilized ACCOUCHEMENT SET meets a very definite need for a complete outfit of guaranteed first quality goods.

BRITISH MADE BY

SANITARY TRADE HOSEZENE MARK TOWELS

THE HOSEZENE CO., LTD., NOTTINGHAM

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED & SEAMLESS

For special garments to measure we maintain a 24 hour service.

:: BODY BELTS ::
TRUSSES :: SUNDRIES

Permit us to quote you

SURGICAL HOSIERY CO. LTD.
Russell Street :: NOTTINGHAM

Telephone No.: 75903. Telegrams: SURGICAL, NOTTM.

"MOSANS"

Non-Greasy, Odourless

QUININE PESSARIES

15/- per dozen boxes

ORDER THROUGH ANY WHOLESALER
or from
MOSANS LABORATORIES 15 ELMCOURT ROAD, S.E.27
Agents for South Africa: THE MONSOL DISTRIBUTING Co., 16 STANDARD BANK CHAMBERS, JOHANNESBURG.

Cash in on TAMPAX Profits

NEW COMFORT

NEW SECURITY

NEW FREEDOM

We believe Tampax is destined largely to replace the external type of sanitary napkin because it represents such a distinct advance in the convenience and comfort of women; because it permits the druggist to make a profit from a stable, repeat item; because it is being aggressively promoted and advertised throughout the country.

Starting this month in many important women's magazines, IMPRESSIVE, DIGNIFIED FULL-PAGE ADVERTISEMENTS WILL BRING TAMPAX TO THE ATTENTION OF MILLIONS OF WOMEN.

The thousands of women who have already tried Tampax would no sooner go back to the external pad than they would to the antiquated methods in use fifteen years ago.

The druggists who have already stocked Tampax claim that to display it is to sell it. Why not test it for yourself? Assure yourself of protected profits from your napkin sales. Order a dozen today!

WORN INTERNALLY
NO BELTS
NO PADS
NO PINS

From your Wholesaler

RETAIL PRICES & TRADE TERMS — Full size packet 1/6 Per dozen 13/6; Small „ „ 1/- „ „ 9/-

FREE SAMPLE will be sent to Physicians, Chemists, etc., on request.

SPLENDOR LTD., 5 Beastmarket Hill, Nottingham ● **TAMPAX LTD., 10 Bolton St., London, W.1**

P.P.

SOUTHALLS "CELTEX" SOLUBLE San towels

IN CARTONS

6 for 6d. and 12 for 1/- and 1/2, 1/6 and 2/-

also MAKERS OF "ORIGINAL" & "K" SAN TOWELS

Patentex

THE SAFE AND RELIABLE CONTRACEPTIVE

Its world-wide popularity stamps it as the finest product of its type

7/6 Patentex Complete Outfit @ 57/- per doz. *Sufficient for 40 Applicatians*

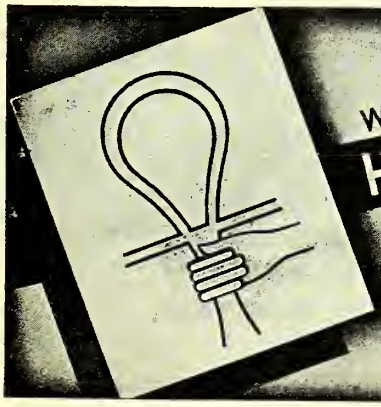
7/- Patentex Refill ... ... @ 52/- „ „

Literature and Showcards may be obtained on application

MERZ & CO. LTD.

8 SOUTHAMPTON STREET

HIGH HOLBORN, W.C.1 Holborn 4810



WHOLESALE & EXPORT ONLY

HYPODERMIC NEEDLES

OF ALL DESCRIPTIONS

Original makers of

STAINLESS STEEL NEEDLES

OUR SPECIALITIES INCLUDE THE ORIGINAL RECORD FITTING AND N.H.I. SPECIFICATION HYPODERMIC NEEDLES.

Comprehensive catalague sent on request.

S.&R.J. EVERETT &CO.,LTD.

939, LONDON ROAD, THORNTON HEATH, LONDON, S.W.16

Improve your output — Reduce your costs

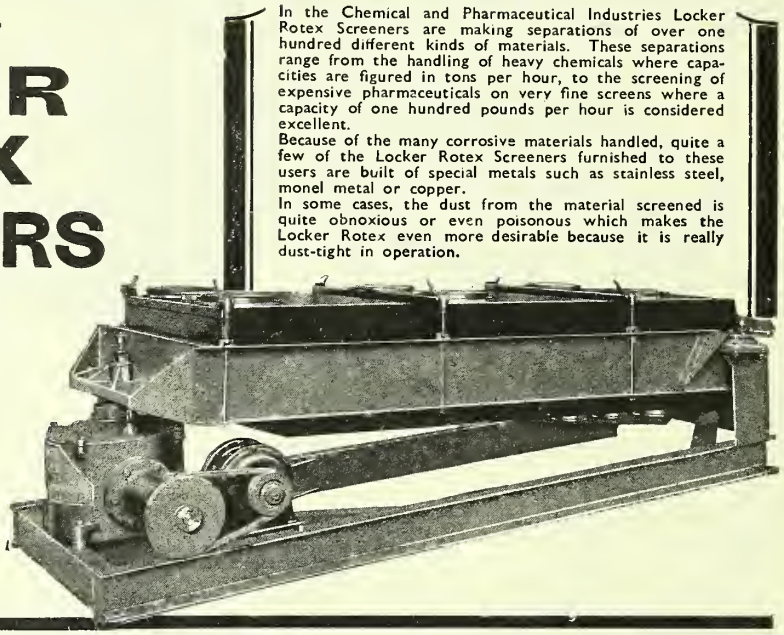
by installing –

LOCKER ROTEX SCREENERS

"Rotex" Screeners are successfully screening these materials. They will be equally successful with yours.

Aspirin. Boric Acid.
Calcium Acid Phosphate.
Calcium Carbide.
Copper Sulphate.
Dental Powder.
Epsom Salts. Fertilisers.
Glauber Salts.
Liquorice Extract. Magnesia.
Potassium Carbonate.
Sodium Bicarbonate.
Sodium Bisulphite.
Sodium Hyposulphite.
Stearic Acid.
Talcum Powder.
Tartaric Acid. Zinc Oxide.
etc., etc.

In the Chemical and Pharmaceutical Industries Locker Rotex Screeners are making separations of over one hundred different kinds of materials. These separations range from the handling of heavy chemicals where capacities are figured in tons per hour, to the screening of expensive pharmaceuticals on very fine screens where a capacity of one hundred pounds per hour is considered excellent.
Because of the many corrosive materials handled, quite a few of the Locker Rotex Screeners furnished to these users are built of special metals such as stainless steel, monel metal or copper.
In some cases, the dust from the material screened is quite obnoxious or even poisonous which makes the Locker Rotex even more desirable because it is really dust-tight in operation.

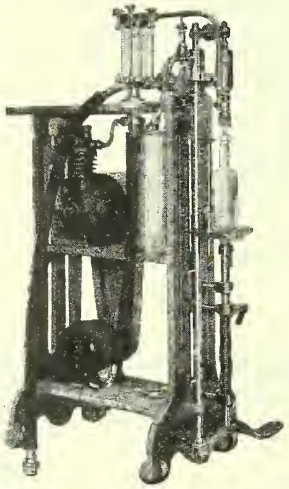


LOCKERS (ENGINEERS) LIMITED — WARRINGTON

Telephone: 910 WARRINGTON Telegrams: LOCKERS, WARRINGTON

ROBERTS' PATENT

"LEO" VACUUM FILLER



for Glass, Stone, and Tin Bottles. Fills all sizes from drachm to quart—long, short or sprinkler neck.

Clean and Rapid
No Over Filling
Broken Bottles Rejected
Easy to Clean
Self Rinsing

WRITE FOR PARTICULARS

Roberts' Patent Filling Machine Company Limited

33 Roundcroft Street, Bolton, Lancashire

Makers of every description of Bottle Filling and Shallow Jar and Tin Filling Machine for the Chemists' use

ALL RIGHTS RESERVED

"WEBSTER'S"

STAINLESS STEELWARE

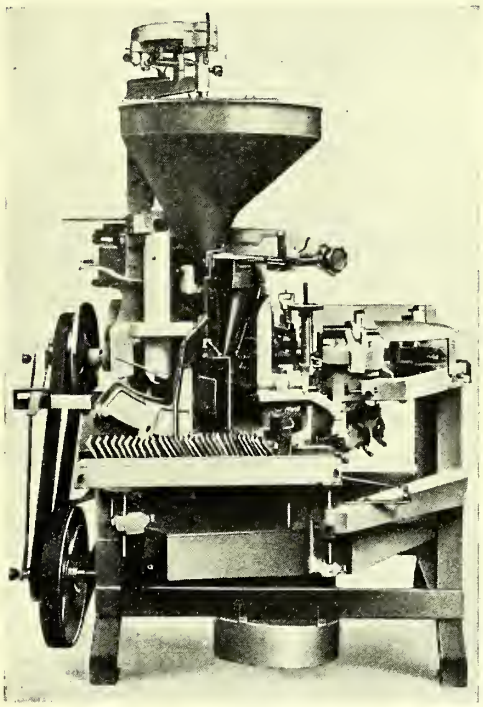
Specialists in modern equipment for manufacturers i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies, etc., etc.
Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals, as an economical proposition.

The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.

ISAAC WEBSTER & SONS, LTD.

ABBEY WORKS, KIRKSTALL, LEEDS, 5

Telephone: 51580 Headingley. Telegrams: Isaac Webster, Kirkstall.



Type M.A. FULLY AUTOMATIC PACKING MACHINE. OUTPUT: 60/70 bags per minute.

"HÖLLER"

FILLING & PACKING MACHINES

facilitate

CHEAP AND HYGIENIC PACKING

of all kinds of

POWDER AND GRANULAR PRODUCTS!

FLAT OR SQUARE-BOTTOM BAG FILLING AND SEALING MACHINES

These machines are especially suitable for chemical powders and pharmaceutical products, etc., such as Shampoo Powder, Seidlitz Powder, Salts, etc., also **Simple Filling Machines,** and **Automatic Closing Machines** for Filled Bags.

WORK ON A PROFITABLE PRODUCTION BASIS BY INSTALLING A

"HOELLER" AUTOMATIC PACKING MACHINE

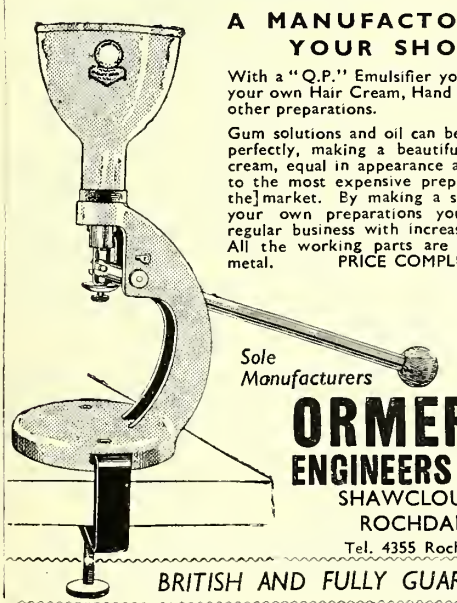
offered in United Kingdom by

THE BENHIL MACHINERY COMPANY LIMITED

340 Upper Street, LONDON, N.1

Telegrams: BENHILG, PHONE, LONDON Telephone: CANonbury 3420

THE **Q.P** EMULSIFIER



A MANUFACTORY IN YOUR SHOP!

With a "Q.P." Emulsifier you can make your own Hair Cream, Hand Lotions and other preparations.

Gum solutions and oil can be emulsified perfectly, making a beautifully smooth cream, equal in appearance and texture to the most expensive preparations on the market. By making a speciality of your own preparations you insure a regular business with increased profits. All the working parts are of stainless metal. PRICE COMPLETE 62/6

Sole Manufacturers

ORMEROD ENGINEERS LTD.

SHAWCLOUGH

ROCHDALE

Tel. 4355 Rochdale

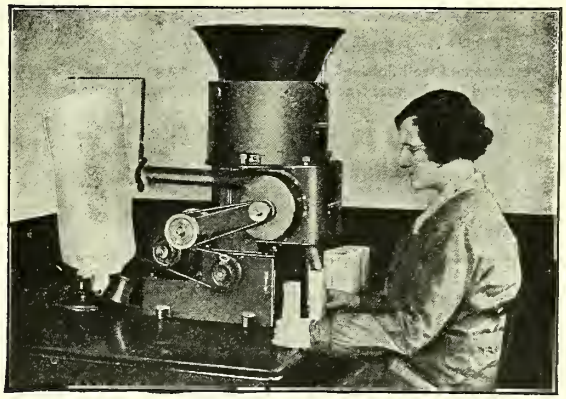
BRITISH AND FULLY GUARANTEED

JACKSON-CROCKATT

PATENT

FILLING MACHINES

FOR ALL POWDER MATERIALS



"MINOR" LOOSE-FILLING MACHINE

WITH DUST COLLECTOR

For Filling

Shampoo and Soap Powder, etc.

The fastest, cleanest and cheapest machine for filling small packets and envelopes

Self-Contained motor drive

J. G. JACKSON & CROCKATT Ltd.

ENGINEERS

DARNLEY STREET, GLASGOW, S.1

★ To the Assistant or Manager contemplating his own Pharmacy.

★ To the Proprietor contemplating a re-fit or new Branch.

★ To the Company Shop Proprietor contemplating a new Store.

★ To any Chemist requiring any shopfitting from the smallest Showcase.

CONSULT

Philip Josephs & Sons Ltd

Pharmacy fitters for over a century

'Phone : Clerkenwell 4111-2 90-92 ST. JOHN ST., CLERKENWELL, LONDON, E.C.1

DISPENSING BOTTLES

Yorkshire-made white flint flats. Machine made (plain or graduated)

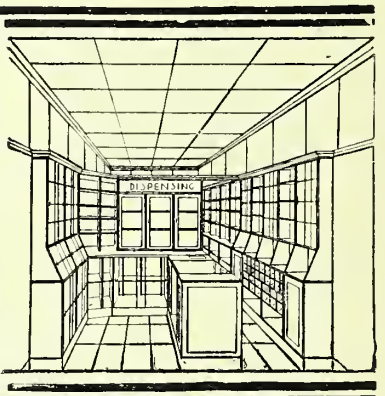
8 oz. - 13/- gross

5 gross minimum quantity

a. Accurate and well finished. *b.* Carriage paid up to 100 miles Leeds. *c.* Packed in half-gross free corrugated cartons, handy for storage.

THOMAS SWALES
Saint Stephen's Road
LEEDS 9
"SWALES FOR SUNDRIES"

THE MODERN CHEMIST
—Fittings by—
D. MATTHEWS & SON, LTD.
The Liverpool Shopfitters
14/16 Manchester St. LIVERPOOL 1
Established 1848
'Phone : Central 2694/5



Armstrong's
TAPER (A) CORKS
ARMSTRONG CORK CO. LTD.
KINGSBURY, LONDON, N.W.9.

LIVERPOOL SCHOOL OF PHARMACY

L.S.P 1849 NIT SEMENTEM FECERIS ITA METES

Blackburne Place, Liverpool 8
Principal—
H. HUMPHREYS-JONES, F.I.C., F.C.S., Ph.C.
PREPARATION FOR THE PRELIMINARY SCIENTIFIC AND QUALIFYING EXAMS. OF THE PHARMACEUTICAL SOCIETY.
Book early for the October 1938 Session.
Full particulars from the Principal

Continuous and Steadily Advertised Goods

FOR DESTROYING RATS AND MICE

DANYSZ VIRUS

Retail Price (Protected)		Net Wholesale Price
Virus for Rats and Mice, single tube, 2/– .. 3 tubes, 5/–	..	15/– per doz.
Virus for Mice only .. single tube, 1/6 .. 3 tubes, 3/–	..	9/– ,,

Date-expired tubes returned to us postage paid will be exchanged free of charge.

Danysz Virus in Liquid Form

Retail Price	Wholesale Price
Bottles 6/– each	4/6 each
,, 4/6 ,, ...	3/9 ,,

HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 33⅓% Cash with Order.

	Retail	Monthly A/c	Cash with Order
½ gall. tins ..	10/–	7/6	6/8
1 ,, ,, ..	18/–	13/6	12/–
5 ,, ,, ..	80/–	60/–	53/4

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c.

Retail Prices (Protected)	Wholesale Prices
In cartons 9d. each	6/9 per doz.
,, 1/6 ,, ...	13/6 ,, ,,
,, 3/– ,, ...	27/– ,, ,,

Danzo Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS.

To be obtained from

HALLER LABORATORIES, LTD.

325 Borough High Street, LONDON, S.E.1

Telegrams: "Virudana, Sedist, London." Telephone: Hop 2717

HARVEY'S Horse Remedies

P.A.T.A.

Protected Prices.

THESE Remedies are used in most of the Training Stables, Stables of Masters of Hounds, and by many thousands of the best Private Horse Owners in the United Kingdom and Abroad.

Supplies through all Wholesale Houses.

HARVEY & CO. (DUBLIN), Ltd., DUBLIN

AYRTON-GRAHAM LTD.

Designers and actual manufacturers of

FITTINGS

For the MODERN PHARMACY.

Shop Fronts, Show Cases, Exhibition Cases, Counter Cases, Counters, Wall Cases, Glass Signs, etc., etc.

PHARMACIES MODERNISED.

ALL GOODS OF BEST QUALITY AND FINISH AT LOWEST RATES

Competent Fitters sent to all parts.

24 BENSON ST., LIVERPOOL

E.O.S.R.C.

We make no apology for this heading again, which, as explained last week, is the problem of

THE ELIMINATION OF THE SMALL RETAIL CHEMIST

It aroused all the interest we imagined it would and letters are being dealt with individually.

We have had some interesting and amusing things said about us in our many years' service to the Retail Chemist, but it is a fact that the profits small retailers have made from our products over the last 15 years have been enormous.

No wonder we are proud of our position as

PREMIER PACKED DRUG HOUSE
and champion profit makers for the small retailer,

This week's joke has emanated from our own office, and therefore the £1.1.0 prize goes to the Benevolent Fund of the Pharmaceutical Society of Great Britain.

"Hell hath no fury like a woman's corns."

Quite funny, but we think you can do better. Why not claim next week's guinea? The joke must be sent in by a proprietor pharmacist. We will do the illustrating.

Of Course!

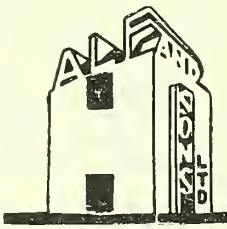
McClure, Young

AND COMPANY LIMITED

MANUFACTURING CHEMISTS

90 STANDARD ROAD, N.W.10 Phone: Willesden 3733-4

New Ideas & Designs for the enterprising chemist's packages



THE MARK OF ENTERPRISE

OPTICAL FOLDERS

Increase your optical business with these attractive "give-away" folders, containing a really instructive, readable, attractively presented message.

PHOTOPRINT POCKETS

A new range of photoprint pockets with striking design and wording featuring Toilet Preparations. Also new OPTICAL PACKING of similar design.

DRUG CARTONS

A new alternative design to the well-known Green and Black Drug Carton is now available.

TABLET CARTONS & BOTTLE WRAPPERS NEW DESIGN LABELS

Write at once for full details of the new "Harrison" Sales Aids. They're even better than their predecessors.

Complete set of samples sent to Colonies on receipt of postal order 10/- which will be credited on £5 order.

Head Office & Works: BURLEY ROAD, LEEDS 4
London Office: SENTINEL HOUSE, SOUTHAMPTON ROW, W.C.1

ALF HARRISON & SONS LTD
CHEMISTS AND ADVERTISING PRINTERS

★

Help your Customers to buy "Make-up." You will sell more if you use

THE CHEMIST AND DRUGGIST

COSMETIC HARMONY CHART

(Reprinted from The Chemist and Druggist, June 27, 1936)

Enables you to advise authoritatively on the correct shades of face powder, rouge, lipstick, and nail varnish for pale and medium blondes, medium and full brunettes, titian, auburn, "mouse" brown and grey types for both day and evening make-ups. Each "type" is depicted in full colour. Separate key gives reference to the preparations of twelve popular makers.

In Full Colour, mounted on stiff board

Price 1s. each, post free

3 for 2s. 6d. „ „

Order from The Publisher

THE CHEMIST AND DRUGGIST

28 ESSEX ST., STRAND, LONDON, W.C.2

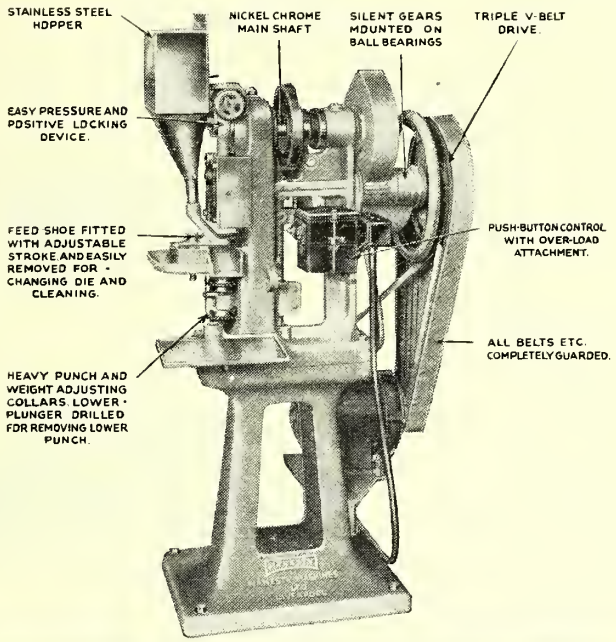
★

CHC1

TREBLES SHOP FITTERS SHOP FRONT BUILDERS

PHARMACY FITTERS for over a Century

549a Lea Bridge Road, Leyton, London, E.10


STAINLESS STEEL HOPPER
NICKEL CHROME MAIN SHAFT
SILENT GEARS MOUNTED ON BALL BEARINGS
TRIPLE V-BELT DRIVE.
EASY PRESSURE AND POSITIVE LOCKING DEVICE.
FEED SHOE FITTED WITH ADJUSTABLE STROKE AND EASILY REMOVED FOR CHANGING DIE AND CLEANING.
PUSH-BUTTON CONTROL WITH OVER-LOAD ATTACHMENT.
ALL BELTS ETC. COMPLETELY GUARDED.
HEAVY PUNCH AND WEIGHT ADJUSTING COLLARS. LOWER PLUNGER DRILLED FOR REMOVING LOWER PUNCH.

The New

MANESTY

'F'

TABLET MACHINE

The new Manesty 'F' Machine is a self contained unit with independent Motor and drive capable of producing the most accurate tablets up to $\frac{3}{4}$" diameter at the rate of 80/90 per minute. It is the ideal Machine for all types of compressed lozenges. Three sets of Punches and Dies are supplied with each Machine.

Please state voltage when asking for complete quotation

MANESTY MACHINES LTD

Makers of CHEMICAL & PHARMACEUTICAL MACHINERY

PROPRIETORS: THOMPSON & CAPPER WHOLESALE LTD.

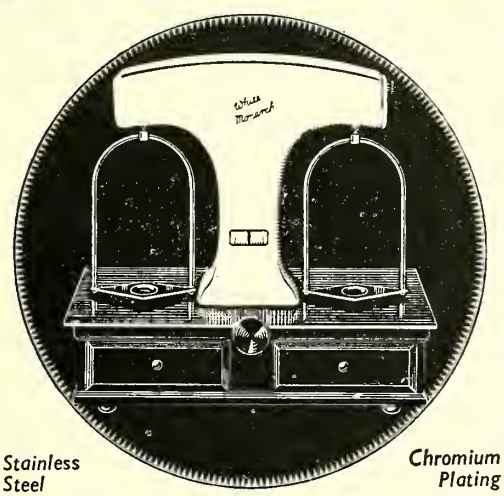
5 SPEKE HALL ROAD — LIVERPOOL, 19

MANESTY
MACHINES & WATER Stills
were formerly known as
STOKES & STOKES MANESTY

WHITE MONARCH

THE

MODERN ENCLOSED DISPENSING BALANCE



Stainless Steel — *Chromium Plating*

Entirely protected from dust and fumes by the white porcelain enamelled housing. Strongly made to withstand hard usage and yet retain its sensitivity

ASK YOUR SUNDRIES HOUSE TO SHOW YOU ONE

WILLIAM A. WEBB, Ltd.

4/5 Skinner Street, London, E.C.1

CORKS

STOPPERS, ETC.

Send us your enquiries and compare our prices. We manufacture corks of every description.

Est. 1844

C. OLLEY & SONS LTD.

CAMPERDOWN ST. & GREAT ALIE ST., LONDON, E.1.

Telephone: Royal 2868.
Telegrams: Circumference, Edo, London.

PRECIPITATED CHALK

LIGHTEST—MEDIUM—DENSE.
And All Other Grades To Suit Every Purpose.
Prepared Chalk B.P. and Powdered Talc.

'Phone: Mansion House 7300. Tel. Add.: "Levermore, Phone, London."
A. LEVERMORE & CO. LTD.
110 CANNON STREET, LONDON, E.C.4.
ABC Codes, 6th Edition

PROSIT
NATURAL PINE BATH COCKTAIL
Refreshing to mental ar physical fatigue, helps rheumatism
20 oz. Beakers 20/- 8 oz. Bottles 10/-
PROSIT PRODUCTS LTD., 20 Back of THE PANTILES . . . TUNBRIDGE WELLS

GLYCERINE
The Purest Quality on the Market. Produced by
THOMAS HEDLEY & CO. LTD., TRAFFORD PARK
Chemically Pure B.P. Pale Straw.
Sole Distributors:
FREDK. BOEHM LTD., 17 Jewry Street, London, E.C.3. and 140 West George Street, Glasgow.

Display Cards and Cartons of 1 doz. 6d. Tubes. Display Cartons of 1 doz. 1/- Tubes. Aluminium Containers 2/6.
APPLIED BEFORE WORK.
Also OINTMENT In Tubes 6d. & 1/-
ROZALEX KEEPS HANDS CLEAN
PREVENTS CHAPPED HANDS
From wholesaler or direct. Show matter and literature supplied on request to
ROZALEX LTD., CROSS STREET, MANCHESTER

HIGHLY PROFITABLE
Is "Plastrodine" prominently displayed on your counter? If not you are missing the business which constant advertising to the public is creating. "Plastrodine" is the modern form of Iodine. On attractive display cards from your wholesaler.
Safety First
PLASTRODINE
First Aid
IODINE LIQUID PLASTER
Made by:
DUKE PHARMACEUTICAL CO., Duke St., Liverpool

POUDRE TOKALON
THE MOST POPULAR FACE POWDER IN THE WORLD
Always heavily advertised. Easy to sell.
All products guaranteed.
TOKALON LTD., Chase Road, London, N.W.10

For all grades of
SAMPLES & PRICES for prompt delivery write:
CRODA LTD
GOOLE - YORKS
Phone: Rawcliffe 40 & 41. Grams: Croda, Goole.
LONDON OFFICE: BURNLEY HOUSE, N.W.10
Olive Oil

TRIBASIC PHOSPHATE of SODA
FREE RUNNING WHITE POWDER
Price and sample on application to:
PERRY & HOPE LIMITED
NITSHILL - - GLASGOW

REGULARLY ADVERTISED AT PROTECTED FIXED RETAIL PRICES
DR. LANE'S CATARRH CURE
AND
NATURE'S HERBAL OINTMENT
12/- 28/9 & 48/- per doz.
Supplied from stock by your usual wholesaler
THE TEASDALE CHLORODYNE CO., FITZWILLIAM STREET, HUDDERSFIELD

WILLIAMS' Shaving Preparations
KHASANA Lipstick & Blush Cream
SILVIKRIN Hair Treatments
KEMDEX Denture Cleanser
Sole Distributors:
SCOTT & BOWNE, LTD.
10/11 STONECUTTER ST., LONDON, E.C.4

DOLS' VOLATALISE FLANNEL
indicated in all cases of
RHEUMATISM
NEURITIS, SCIATICA
LUMBAGO, Etc.
Measurement charts, interesting literature and details of attractive terms gladly sent on application.
DOLS VOLATALISE FLANNEL LTD.
VIADUCT STREET, HUDDERSFIELD

RECOGNISED OPTICAL QUALIFICATION
The next examination for the Fellowship Examination of the National Association of Opticians will be held at Edinburgh on May 24th, 25th & 26th, 1938
REVISED SYLLABUS, &c.
SECRETARY, N.A.O., 130 Princes Rd., Liverpool 8

Are you stocking
YESTAMIN?
Dried Yeast in its most concentrated and most convenient form—powder and tablets. Generous terms and good discounts. *Write today to:*
The YESTAMIN CO. (The English Grains Co. Ltd.) Shobnall Rd. Burton-on-Trent

Forster's "Eldon" Vapouriser
FOR USE WITH NIGHT LIGHT
Retail, 1/9. Wholesale, 15/-.
Also Forster's "Fenolin Fluid" For Whooping Cough
Write for particulars
HALL, FORSTER & CO., Ltd., Newcastle-on-Tyne

NEW ENLARGED EDITION.
INCOMPATIBILITY IN PRESCRIPTIONS
By Thomas Stephenson, D.Sc., Ph.C., F.R.S.E.
Thoroughly revised and adapted to the B.P. '32 and B.P.C. '34
Cloth gilt 6s. net; By post 6s. 3d.
Through any Bookseller or Wholesale House, or direct from
THE PRESCRIBER OFFICES, 65 Castle St., EDINBURGH, 2

Products with a strong claim to your attention

Amongst Ephedrine and associated products those bearing the Burroughs Wellcome & Co. Trade Marks stand supreme. The regularity with which they are prescribed is indisputable evidence of medical confidence.

TRADE MARK **'TABLOID'** BRAND
EPHEDRINE HYDROCHLORIDE

For administration by mouth or by injection

Gr. 1/2, *tubes of* 6, *at* **5**/**9** *doz. tubes*
Gr. 1/2, *bottles of* 25, *at* **17**/- *doz. bottles;*
bottles of 100, *at* **55**/- *doz. bottles*

Gr. 1/4, *bottles of* 25, *at* **11**/- *doz. bottles;*
bottles of 100, *at* **33**/- *doz. bottles*
0·03 *gm., bottles of* 25, *at* **17**/- *doz. bottles;*
bottles of 100, *at* **55**/- *doz. bottles*

Two products for instillation or for use in the 'Paroleine' Atomiser

TRADE MARK **'VAPOROLE'** BRAND
EPHEDRINE SPRAY COMPOUND

Contains: Ephedrine, 0·9 per cent.; Menthol, Camphor and Oil of Thyme, of each 0·5 per cent., in a base of 'Paroleine' Liquid Paraffin.

Bottles containing 1 *fl. oz.*, **27**/- *doz. bottles*
(supplied with dropper)
Bottles containing 16 *fl. oz.*, **27**/- *each*

TRADE MARK **'PAROLEINE'** BRAND
SPRAY COMPOUND

Contains: Menthol, gr. 5; Chlorbutol, gr. 6; 'Eucalyptia,' min. 15; and 'Paroleine' Liquid Paraffin, to fl. oz. 1

Bottles containing 1 *fl. oz.*, **12**/- *per doz.*
(supplied with dropper)

Bottles containing 16 *fl. oz.*, **8**/- *each*

London Prices to the Trade (subject)

BURROUGHS WELLCOME & CO., LONDON

G 2052

COPYRIGHT

Important —

RU-MARI

BRAND COMPOUND

The biggest National Advertising Campaign for Ru-Mari is now proceeding. See that you have adequate stocks.

PRICES REDUCED!!

Now 8/- and 5/-

Costing 72/- and 45/- per doz.

RU-MARI LIMITED, 'Phone: Holborn 1534

FIRST AVENUE HOUSE, HIGH HOLBORN, LONDON, W.C.1

BENGER'S Food

TRADE MARK

Digestive Weaknesses.

The use of Benger's Food is regarded as indispensable in all cases of digestive weakness in young and old. To quote the words of an eminent doctor "Wherever there is need to lighten the work of digestion, there is a case for Benger's Food."

Show Material from—

BENGER'S FOOD, LTD., —— MANCHESTER.

Just think

of the numerous advantages of Cachets, and the equally numerous purposes to which they may be put.

CHRISTY —
THE HOUSE FOR CACHETS

Cachets are recognised as the most useful and hygienic method of administering nauseous powdered medicaments in tasteless form.

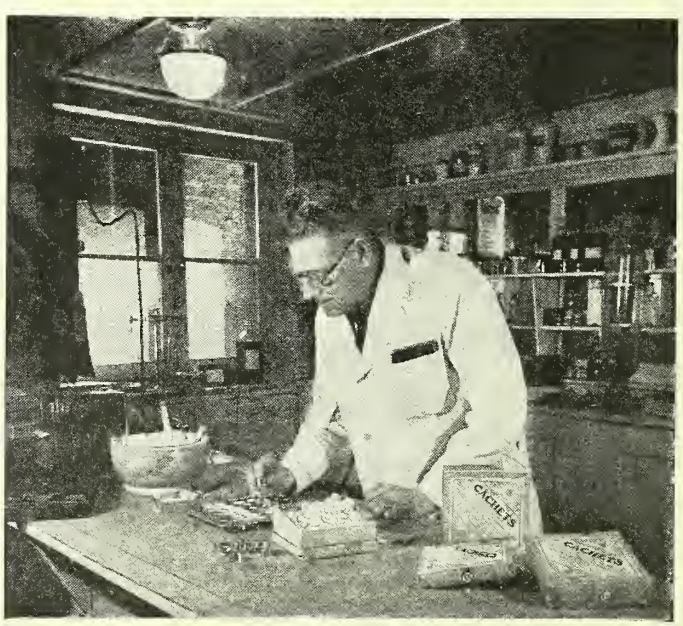
Our Cachets are noted both for their strength and extreme solubility.

Your own name or Brand name may be printed on every dose.

We can supply Cachets, white or coloured, in boxes of 250, 500 and 1,000.

Cachets from – 5/6d. per thousand.

Cachet Machines from – 4/6d. each.



Write for a copy of the illustrated leaflet

THOS. CHRISTY & CO., LTD., Old Swan Lane, LONDON, E.C.4

The Chemist and Druggist *March 26, 1938*

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

Published Weekly at

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams : "Chemicus, Estrand, London" *Telephone : Central 6565 (10 lines)*

BRANCH OFFICES

MANCHESTER : 4 CANNON STREET (TEL. : BLACKFRIARS 3052)
SHEFFIELD : 54 FOSTER'S BUILDINGS, HIGH STREET (TEL. : 22458)
GLASGOW : 19 WATERLOO STREET (TEL. : CENTRAL 2329)
BIRMINGHAM : 111 NEW STREET (TEL. : MIDLAND 2921)
AUSTRALIA : 19 QUEEN STREET, MELBOURNE, C.1
NEW ZEALAND : 55a SHORTLAND STREET, AUCKLAND
PARIS : 155 AVENUE DE WAGRAM, XVII[e] (TEL. : ETOILE 19-79)
AMSTERDAM-C. HOLLAND : PLANTAGE FRANSCHELAAN 32

News of the Week

Business Changes

MR. CARR, M.P.S., is acquiring the business of Moody & Co. (Chemists), Ltd., 123 Bohemia Road, St. Leonards-on-Sea.

BOOTS, LTD., have acquired the business of Mr. E. A. Tilley, M.P.S., Victoria Square, Droitwich.

MR. R. J. THOMSON, M.P.S., is taking over the business of Charles E. Hillman, chemist, 5 Liverpool Street, London, E.C.2, of which he has been manager for the past seven years.

Dangerous Drugs (Approved Institutions) Order

An order to be known as "Dangerous Drugs (Approved Institutions) No. 20 Order (1938)" has been made by the Secretary of State for Home Affairs approving certain institutions for the purpose of the regulations made under The Dangerous Drugs Act, 1920 (H.M. Stationery Office, Kingsway, London, W.C.2. 1d.). Under this order, the person in charge of the laboratory is required to keep all supplies of drugs and preparations under lock and key and only issue to persons working in the laboratory such quantities as shall be immediately required. It is also necessary to keep records of purchases together with a statement of the amounts of each of the drugs and preparations remaining in his possession. The institutions are classified in three schedules, Schedule A comprising universities, including the School of the Pharmaceutical Society of Great Britain ; Schedule B chiefly relates to pharmacy departments of municipal technical schools ; while Schedule C is concerned mainly with the chemistry departments of various technical institutions. According to which schedule the institution is in, so the conditions in regard to possession, etc., of the dangerous drugs are varied.

British Pharmaceutical Conference

Many visitors to the Edinburgh meeting of the British Pharmaceutical Conference coming from London or through London are considering travelling by boat. The London and Edinburgh Shipping Co. are prepared to book passengers to travel on the "Royal Archer" leaving the Hermitage Steam Wharf (near Mark Lane Station) on September 10 at 2 p.m. This boat arrives in Leith in the early hours of Monday, but passengers are at liberty to stay on board for breakfast before leaving for Edinburgh. There will be a return boat on Saturday, September 17 ; the time for sailing is not yet fixed. For passengers desiring to return on Wednesday there will be a boat leaving Leith at about 5 p.m. The charges will be: First cabin return fare, 67s. 6d., first cabin single fare, 40s.; second cabin return 42s. 6d., second cabin single 25s. Anyone interested should communicate with Mr. Arthur Mortimer, Secretary to the Wholesale Drug Trade Association, 28 Gordon Square, London, W.C.1.

British Standards Institution

The British Standards Institution has issued new specifications for Ostwald-Folin pipettes (B.S.S. No. 773); dimensions for film-strips, film slides and sub-standard glass slides (B.S.S. No. 777) ; methods for chemical analyses of butter and cheese (B.S.S. Nos. 769 and 770); synthetic resin (phenolic) moulding materials and mouldings (B.S.S. No. 771); hydro-extractors (B.S.S. No. 767); and methods of testing chemical stoneware (B.S.S. No. 784). Copies of all the standards may be obtained from the Institution, 28 Victoria Street, London, S.W.1, price 2s. each (2s. 2d. post free).

Proprietary Articles Trade Association

ADDITIONS TO THE PROTECTED LIST.—Brand & Co., Ltd.: Invalid calf's foot jelly, 5-oz. size, plain, lemon and orange, 9½d., 7s. 3d. doz.; wine varieties, 10½d., 8s. 3d. doz. Potter & Clarke, Ltd., Potter's stramonium cigarettes, box of 18, 1s. 3d., 10s. doz.; price in Ireland, 1s. 6d., 12s. doz.; Dr. Thompson's slippery elm biscuits, per box, 1s. 3d., 11s. doz.; price in Ireland, 1s. 6d., 13s. doz.

ALTERATIONS.—Holloways Pills, Ltd., new prices and terms: Holloways brand pills, 3d., 2s. 3d. doz.; 1s. 3d., 11s. 3d. doz.; 3s., 27s. doz.; 5s., 52s. doz. (The 5s. size contains seventy-two pennyworth "screws.") Holloway's brand ointment, 3d., 2s. 3d. doz.; 1s. 3d., 11s. 3d. doz.; 3s., 27s. doz.; 5s., 45s. doz. (Quantities of not less than £2 worth assorted pills and/or ointment subject to special discount of 10 per cent. for 14 days' window display ; carriage paid home.) Prices of stamped pack: 1s. 3d., 11s. 9d. doz.; 3s., 28s. doz.; pills, 5s., 54s. doz.; ointment, 5s., 47s. doz. Prices in Ireland: Pills, 3d., 2s. 1d. doz.; 1s. 3d., 10s. 3d. doz.; 3s., 25s. doz.; 5s., 52s. doz.; ointment, prices as for Great Britain. (Subject to window-display terms as quoted above.)

Beckenham

PRESCRIPTION PRICING.—At a meeting of the West Kent Chemists' Association at Beckenham on March 14, Mrs. Jean K. Irvine, M.B.E. (member, Pharmaceutical Society's Council, and superintendent, South-Eastern Pricing Bureau) gave an address on "The Pricing of National Health Prescriptions." Mrs. Irvine explained what happened to chemists' monthly bundles of Insurance prescriptions from the time of arrival at the Bureau until the totals were taken out by a modern adding machine and the amount due to each chemist certified to his Pharmaceutical Committee. She said 50,000 to 60,000 scripts daily were priced at the Bureau. Pricing was done by a ready reckoner which contained a list of 800 drugs. Mrs. Irvine answered many questions and was accorded a vote of thanks.

CONTENTS

See p. 371

Birmingham

PRESENT POSITION OF PHARMACY.—A meeting of the Birmingham and District Branch of the Pharmaceutical Society was held on March 15, Dr. E. G. Bryant in the chair. Mr. W. S. Howells (a member of the Society's Council) gave "Some Reflections on the Present Position of Pharmacy." Mr. Howells said apprehension was felt in certain quarters that the supply of pharmacists was becoming insufficient for the demand, and he was aware of the difficulty of obtaining suitable locums for the holiday period. The status of the pharmacist had been improved by the Pharmacy and Poisons Act, 1933, and large institutions and other bodies which prior to the Act did not engage qualified persons for their dispensing were now in many cases engaging pharmacists. He considered sufficient pharmaceutical service was required in this country to maintain the 23,000 qualified pharmacists on the Register at a remuneration commensurate with their occupation if they were allowed to do the whole of the pharmaceutical work for the populace. Unfortunately, this was not the present position. Not only was the dispensing of medicines shared but the sale of proprietary medicines was shared with 130,000 other traders. Under the National Health Insurance Act, juveniles were now to be included, and he felt the time would come when the income limit would be raised and the major portion of the nation's medicine would then be dispensed by pharmacists. It remained to establish fair remuneration, and it was a despicable state of affairs that taxpayers contributing as such to the social services should be expected to make further contributions in the form of an uneconomic remuneration. Not charity but equity was required. Control of the supply of proprietary medicines by the pharmacists was not a matter for the Pharmaceutical Society, but the National Pharmaceutical Union had devised a scheme which he thought was worthy of support. Questions were put by Messrs. Knowles, Gardner, Walsh, Crees, Southerton, Blore and others, to which Mr. Howells replied. A vote of thanks to the speaker was proposed by Mr. F. W. Yeomans and seconded by Mr. A. T. Hall.

Bradford

MEETING AND DINNER.—Bradford Branch of the Pharmaceutical Society held a business meeting on the afternoon of March 16, the annual dinner and dance being held the same evening. The meeting was addressed by Mr. H. M. Hirst (a member of the Society's Council). Prior to the address Mr. H. N. Griffiths moved and Mr. F. C. Wilson seconded an amendment (for forwarding to the Society) to a Conference resolution sent in by Plymouth Branch in regard to filling Council vacancies by co-option. The Bradford amendment suggested that circumstances might change considerably between a Council election and the time of a casual vacancy and that the better principle would be a by-election. Under the title "The Past Thirty Years and the Next," Mr. Hirst recounted his varied experience of pharmacies and pharmacists and expressed his conviction that a better type of person was coming into pharmacy in recent years, due to better modern education and, perhaps, to the high cost of qualifying. The Pharmacy and Poisons Act, 1933, Mr. Hirst considered, had brought definite benefits, not the least of which was that unqualified drug sellers could not now call their shops pharmacies. The new system had also shown a marked lessening in the number of prosecutions needed. One of the biggest problems of today, proceeded the speaker, was the number of apprentices. His own feeling was that 500 per year was as many as pharmacy could reasonably absorb. Perhaps the problem was more a matter of distribution than of actual numbers. The question arose, what was to happen to the schools and colleges? One could not help feeling there was a distinct inducement to technical schools to encourage more students. Mr. Hirst said he was one of those who visualised the likelihood of state pharmacy within the next twenty years—probably linked up with the hospital service. Before that time, he believed, there would come reservation of dispensing to chemists. The chairman expressed a hope that Mr. Hirst's prophecy of state pharmacy would never come true. He believed in every industry and craft ruling its own affairs. Mr. F. C. Wilson raised a question as to what the Society might be doing in regard to chemists in war service. This was a subject which must be exercising much thought under present international conditions.—Mr. Hirst replied that whilst he was not in a position to give precise details, he could state that much progress had been made. There was intense activity, and if there was a war a concrete scheme, he was sure, would be in operation within a month.—In reply to an expression of thanks by Mr. J. A. White, jun., seconded by Mr. W. Sutcliffe, Mr. Hirst added a further prophecy that within the next twenty years pharmacy in this country would be separated, as in France, into two classes—the first-class or dispensing pharmacist and the second-grade chemist selling drugs, herbs and accessories. Personally, he would be quite content to be in the second grade.

At the dinner of the branch in the evening, Mr. H. N. Griffiths, proposing a toast to the Pharmaceutical Society, said he hoped the Committee of Inquiry would not allow itself to be stampeded into rash legislation or ill-considered changes in the Society's constitution. He was not entirely satisfied that pharmacy was making full use of the powers it already held. Mr. Hirst responded. The deputy Lord Mayor responded to Mr. F. E. Burdett's toast "The City and Trade of Bradford." The chairman (Mr. J. A. Sullivan) gave a toast to the ladies and visitors, to which Councillor Hodgson (chairman, Leeds Branch) responded. Dancing followed until 1 a.m.

London

PUBLIC PHARMACISTS.—A meeting of the Guild of Public Pharmacists was held on March 15, when films on the uses of Elastoplast in modern surgery were shown by Mr. Mine. A vote of thanks was proposed by Mr. F. E. Bullen and seconded by Mr. J. R. Elliott. The president (Mr. F. B. Royal) was in the chair.

FAILURE TO KEEP RECORDS.—At Stratford, London, E., Police Court, on March 23, Dr. Guy Spencer Grist, Barking, Essex, pleaded guilty to failing to keep proper records of dangerous drugs purchased by him. The summonses related to six grains of diamorphine hydrochloride purchased from Mr. T. W. Forster, M.P.S., Faircross Parade, Barking, on December 20, 1937: sixty grains of the same drug purchased from Mr. T. W. Forster, M.P.S., on December 23, 1937; thirty grains of the same drug purchased from Woodlands Chemists, Ltd., Barking, on January 4, 1938, and sixty grains of the same drug purchased on January 5 from Lord & Co., Barking. Mr. Gwatkin, for the Director of Public Prosecutions, said he hoped that the magistrates would impose a small penalty in preference to binding the doctor over in the care of someone, because it was usually found that in a short time the person who accepted the responsibility asked to be relieved. Moreover binding over would not affect the doctor's authorisation to obtain drugs. A small penalty would be sufficient to attain the end desired in this case, which could then be dealt with by the Home Secretary. A penalty of 20s. on each summons was imposed, with three guineas costs.

EMPLOYEES SUPPORT UNION'S POLICY.—Members of the staff of the London branches of Timothy Whites & Taylors were invited by the London advisory committee of the Association of Pharmaceutical Employees to attend a conference held at Anderton's Hotel, Fleet Street, on March 20. The meeting was called in order that the case for trade union organisation among the company's employees might be put forward. There was an attendance of over sixty. Mr. C. Devereux, of the London advisory committee, was in the chair, and the speakers included Mr. O. J. Frost, Mr. J. M. Allen, Mr. J. Hiscock and Mr. L. Yeates, all officers of the Shop Assistants' Union. Mr B. Matthewson, of the London advisory committee, gave an account of the history of the Association. After the speaker had put forward the Union's case, the following resolution was proposed by Mr. Allen and seconded by Mr. Yeates: "That this meeting of the staff of Messrs. Timothy Whites & Taylors supports completely the policy of the Association of Pharmaceutical Employees as the only means of maintaining and improving the status of pharmaceutical employees, and urges all members of the firm's staff to join the Association in order that an agreement with the management may be arranged at an early date." The resolution was carried unanimously, and the chairman of the Leeds group, who spoke supporting the resolution, was enthusiastically applauded.

THREE ASPECTS OF PHARMACY.—The National Association of Women Pharmacists discussed the industrial, hospital and retail aspects of pharmacy at their Members' Night on March 10, the president (Miss Blundell) in the chair. The first speaker was Miss J. Duncan, on "Analysis in Food Manufacture." Miss Duncan said the margin of foreign substances which might reasonably be present in a foodstuff must be regulated by the extent to which their presence might prove injurious to health. The only preservatives now allowed in

foodstuffs were sulphur dioxide and benzoic acid, and these only in stated foods and in stated amounts. Miss E. Hodgkinson (chief pharmacist, Prince of Wales's Hospital, Tottenham) spoke on "Hospital Pharmacy." She described the routine issue of drugs, dressings, surgical glassware and breakage replacements. Sera were stored in a refrigerator set between 3 and 5 degrees centigrade. Medicine and poison cupboards in the wards and other departments were inspected once a month by the chief pharmacist and matron together and a signed report that this had been done was sent to the house governor. Miss A. Borrowman appealed to members not to "cold-shoulder" retail pharmacy which had suffered from an inferiority complex dating from the time when it was considered *infra dig.* to follow any business career. In the retail the pharmacist could find vent for every talent he possessed. Miss Blundell moved a vote of thanks from the chair.

Association dinner and dance.—A company of about 150 attended the annual dinner and dance of the South-East London Chemists' Association section of the South-Eastern Associations, which was held at the Restaurant Frascati, London, W.1, on March 17, the president of the Association, Mr. W. C. Spooner—who, with Mrs. Spooner, received the guests—in the chair. Among the guests were Mr. Thomas Marns, president of the Pharmaceutical Society, and Mrs. Marns; Mr. Alec Hoare, president of the Photographic Dealers' Association; Mr. and Mrs. F. G. Wells, and Mr. G. A. Tocher. Following the loyal toast, "The Pharmaceutical Society" was proposed by Mr. E. O. Wells, who, in an eloquent speech, paid compliment to the Council of the Society for the way in which the members discharged their duties. Referring to the programme in the planning of the Society's new home, he said he could assure the Society of the confidence of the South-East Association. Replying, Mr. Marns congratulated the Association for its efforts on behalf of the Benevolent Fund, and held the Association up as an example to others in this connexion. Mr. Hoare then proposed the toast of "The South Eastern," to which Mr. Spooner responded, saying that this was their jubilee year, and that he was proud to know that the Association had made the highest contribution in London to the Benevolent Fund. A toast to "The Guests" was proposed by Mr. J. M. Edwards and replied to by Mr. F. G. Wells. During the dinner and dancing which followed, Capt. Vernon Lee, M.C., gave an entertainment, and music was provided by Al Edney's New Arcadians Band.

Luton

Fifteenth annual dinner.—At the fifteenth annual dinner and dance of the Bedfordshire Branch of the Pharmaceutical Society on March 3 the visitors included Mr. T. Guthrie (vice-president, Pharmaceutical Society), Mr. J. Evans (a member of the executive, National Pharmaceutical Union), Mr. H. E. Chapman (Medico-Legal Society), the deputy-mayor of Luton, the Medical Officer of Health, Mr. T. Hale (president, Luton Chamber of Trade), and representatives of wholesale houses. Welcoming them, the president said he was satisfied with the way the Pharmaceutical Society was doing its work, but suggested it was time the present system of representation of members was changed to regional representation. The medical Officer of Health for Luton (Dr. F. Grundy), proposing "The Pharmaceutical Society," said: "Much of your work does not call for the professional skill and knowledge you possess, but whose work does? Mr. Thomas Guthrie, responding, said that in the long run the Society would be judged by the service it rendered the community. Glasgow Corporation had recently passed a resolution urging the Government to introduce legislation to ensure that all the citizens of the country should receive medicines through the hands of people trained to dispense them. That was a thing the pharmacists had all along said should be. Mr. J. M. Clouting proposed "The National Pharmaceutical Union." Mr. J. Evans, in reply, said that, although a voluntary body, the Union had 10,000 members, comprising 80 per cent. of the chemists in business, and last year increased its membership by more than 300. Mr. H. E. Chapman proposed "The Ladies and Visitors," for whom the Deputy-Mayor responded. Mr. G. N. Shelton was toastmaster and dinner secretary and Mr. E. H. Burroughs M.C. for dancing.

Manchester

Air-raid precautions examination.—The air-raid precautions course arranged by the Chief Constable of Manchester and attended by members of the Branch and the Association terminated recently, and in the examination that concluded the course seventy-three members satisfied the examiners. This special class arranged for pharmacists has been praised in various quarters as an example to be followed in other cities.

Junior branch whist drive.—A whist drive organised by the Junior Branch of the Manchester Pharmaceutical Association was held on March 10. Prizes, provided by Mrs. A. Harding, Messrs. J. W. Wood (Association president), I. Scholes (Association treasurer), and H. Burlinson (junior branch chairman), were won by Miss Hymans, Mrs. Puddephat and Mrs. Mayall; Miss Manson and Miss Lewis, playing as gentlemen, and Messrs. W. Edwards and H. Steinman. Mrs. H. Brindle presented the prizes and a vote of thanks to the donors and to Mrs. Brindle was proposed by Mr. H. Steinman.

Smoking concert.—The annual smoking concert organised by the Manchester, Salford and District Branch of the Pharmaceutical Society in aid of the Benevolent Fund was held on March 17, Mr. J. H. Franklin in the chair. Mr. L. Stockwell, M.P.S., acted as accompanist, and community singing was led by Mr. W. Gee. During the interval Mr. A. E. Thorpe made an appeal on behalf of the Fund. There were occasions, he said, when differences of opinion might arise in connexion with the policy of the Society, but no one could take exception to the work of the Benevolent Fund and the way in which it was administered by the Council. Mr. H. Burlinson (chairman, junior branch) presented a cheque for £40 to Mr. Franklin, the proceeds of an effort on behalf of the Benevolent Fund made jointly by the local branch of the Guild of Public Pharmacists and the junior branch of the Association. He paid special tribute to the work of the secretary of the joint committee (Miss Lewis). Mr. A. E. Thorpe presented a cheque for £5 contributed by the junior ladies as a result of private efforts made in their own homes on behalf of the Fund. Mr. J. H. Franklin, in acknowledgment, said it would give him special pleasure to convey the cheques to headquarters. Proceeds of the concert amounted to £16 10s.

Middlesbrough

Air-raid precautions certificates.—Twenty-four pharmacists have been awarded certificates of competency in air-raid precaution services by the British Red Cross Society, as the result of an examination held recently after a course of lectures. The classes were open to members of the Tees-side Branch of the Pharmaceutical Society within easy reach of Middlesbrough, and accommodation was provided by the town council. The successful candidates were Messrs. R. Barker, D'Arcy A. Bray, J. A. Bamforth, N. W. Clarke, E. Camidge, A. Davison, R. Gillespie, N. E. Hutchinson, A. W. Harrison, J. W. Huggins, R. E. Jackson, D. McKenzie, W. J. Lee, J. W. Moffitt, A. Mountain, R. McD. Murray, W. D. Nimmo, R. H. Robertshaw, M. Robinson, H. G. Rutherford, W. C. Subbs, T. R. Scholfield, J. Thompson, Eric Wood.

Peterborough

Visit of Society's secretary.—A meeting of the Peterborough and District Chemists' Association and Branch of the Pharmaceutical Society was held on March 10, when Mr. H. N. Linstead gave an address on "Some Problems of the Chemist in Business." The speaker covered a wide range of subjects. He said the Shops Acts and the Shops (Sunday Trading Restriction) Act exempted medicines, but there was no need for long hours. Names and addresses of chemists who lived on their business premises could be sent to the local police station. The Proprietary Articles Trade Association had standardised the prices of proprietary articles and the time had now arrived when all other retail prices should be advanced by mutual agreement. Two schemes of collective advertising, said Mr. Linstead, were in force in Huddersfield and Dundee. A portion of the editorial matter used in Huddersfield had been purchased and the Society's Public Relations Officer would supply the necessary material. In Dundee the method was a central write-up surrounded by advertisements for individual chemists. In considering Parliamentary representation it was best to propose a local man known in the constituency rather than have a "carpet-bag" candidate relying on buying his votes. The chemists' D.D.A. register must be available for inspection and should not be locked in the D.D.A. cupboard if the qualified man was not present. Chemists were only open to

inspection by the inspectors appointed by the Pharmaceutical Society, and if the Police butted in they should be referred to the Society. A chemist might not run both a chemist shop and a drug store, and thus obtain the advantages of his qualification at both shops. A qualified man and an unqualified might not enter into partnership in a chemist business, but could form a limited company.

In the discussion which followed the address, Mr. Duffield said the D.D.A. regulations were framed to prevent the sale of laudanum, and decried the sale of diluted laudanum. A member mentioned his supplying eight ounces of syr. codein. phosph. fairly regularly to a customer on a prescription. Mr. Linstead advised the member to stop the sale as it was evident the drug was getting a serious hold on the patient. Mr. Wright inquired why the doses of certain drugs were altered in the new B.P. such as morph. hyd. and pulv. ipecac. co., pointing out the unnecessary trouble it caused the chemist, especially when dealing with the older practitioners. Mr. Linstead could give no explanation of the changes. Messrs. H. E. Whitwell, H. Stanyon, G. W. Dring, F. Sturton and John Evans also took part in the discussion. A vote of thanks was proposed by Mr. A. Duffield, and seconded by Mr. B. Wright. In the course of the meeting Mr. J. W. Bodger (retiring treasurer, Peterborough and District Chemists' Association) was presented with a chair inscribed "Presented to J. W. Bodger, M.P.S., by the Peterborough and District Chemists' Association in appreciation of his long and valued services as treasurer. March 10, 1938." The chair was presented on behalf of the Association by two old friends of the recipient, Mr. J. S. Prior, Stamford, and Mr. John Evans, Cambridge (a member of the National Pharmaceutical Union Executive).

Dinner and dance.—At a dinner and dance held by the Peterborough and District Chemists' Association on March 10 Mr. H. Stanyon (president) was in the chair. Mr. H. E. Whitwell acted as toastmaster, and the spur tables were in charge of Messrs. A. M. Graham, H. E. Whitwell, Fred Sturton, A. C. Fowler and A. Duffield. Mr. B. Wright proposed "The Mayor and Corporation of the City of Peterborough," and said chemists were naturally interested in infant welfare centre work and would co-operate in schemes such as were worked successfully in other cities. The Mayor responded. Mr. A. M. Graham proposed "The Pharmaceutical Society and the National Pharmaceutical Union." He felt the Society had not fully achieved what it set out to do, namely to protect those who carry on the business of chemists. The Society should be to the chemist what the B.M.A. was to the medical profession, a defensive organisation. Chemists longed for an organisation whose constant duty was the safeguarding of chemists' rights. Mr. J. Evans made an eloquent appeal for the support of the N.P.U. Mr. A. C. Fowler proposed "The Visitors." Mr. P. R. Duncan, Irthlingborough (president, Northampton Branch), responded, after which the company broke up for dancing, Mr. A. M. Graham and Mr. H. E. Whitwell acting as M.C.s. Coffrets donated by trade firms were presented as prizes to winners of spot waltzes and other competitions. During the evening a coffret was auctioned and three cameras were raffled. As a result, £6 6s. 6d. was raised for the Society's Benevolent Fund.

Welsh Notes

Llandudno

Dinner and presentation.—The annual dinner and dance of the Anglesey, North Carnarvonshire and Colwyn Bay Branch of the Pharmaceutical Society was held on March 16, the president (Mr. H. Rogers Jones) presiding. The guests included Mr. W. W. Atkinson (chairman, National Pharmaceutical Union Executive) and Mr. Clenyg Jones. The toast of "The Pharmaceutical Society" was proposed by Mr. E. R. Vaughan, B.Sc., Bangor. The vice-president (Mr. W. Llew. Thomas), replying, dealt with the activities of the Branch and of the help which an active branch gave to headquarters. He appealed for greater support from members, and more regular attendance at meetings. Mr. Gwlym H. Hughes proposed "The National Pharmaceutical Union." Mr. Hughes said there were many who considered that pharmacy belonged to the "legion of the lost." Mr. Hughes thought of it in the text of a famous divine "Ye must be born again," although he feared that with pharmacy it would be a long process. Mr. Atkinson, replying to the toast, said the progress of the N.P.U. was largely due to the initiative of Mr. Mallinson, who had been secretary since its commencement. It was not generally realised that Mr. Mallinson was formerly secretary to the late Sir William Glyn Jones, and that much of his enthusiasm and activity was due to the influence of that gentleman. Mr. Atkinson spoke of the activities of the N.P.U. and of the various schemes which had been adopted. Mr. Eirwyn Owen proposed "The Ladies and Visitors," and Mr. W. B. Lewis (Saville Perfumery, Ltd.) responded. At the conclusion of the dinner a presentation was made to Mr. Clenyg Jones, who recently retired after having been for fifty years area representative for Allen & Hanburys, Ltd. Mr. Clenyg Jones expressed his thanks for the kind thoughts and for the gifts. The remainder of the evening was spent in dancing and whist, prizes being distributed by Mrs. Rogers Jones.

Cardiff

Summer closing times.—The local branch of the National Pharmaceutical Union decided on March 17 to interview the Town Clerk regarding the suggested new closing hours in the summer months (May, June, July, August and September). The majority desire to close at 7.30 p.m. instead of 8 p.m., as at present. It is considered that this cannot be done until after July, as the contract with the N.H.I. committee, which ends then, requires contracting chemists to remain open until 8 p.m.

Chemists unjustly blamed.—Arising out of applications for wine licences by two drug stores, a recent issue of a local paper devoted nearly a column to a condemnation of "chemists" who were alleged to cause drunkenness at dances by selling wine cocktails. The secretary of the local branch of the Pharmaceutical Society wrote correcting the wrong impression caused, but as an important part of his letter was not published it was necessary for him to write again. His second letter was published in full.

Protest lodged.—A letter from the local branch of the National Pharmaceutical Union (see *C. & D.*, March 5, p. 260) protesting that control of the Shop Hours Act should be vested in the police and not the sanitary authorities was read at the last meeting of the City Council. Councillor Frank Edwards, M.P.S., said that the chemists' views were that all sorts of shops were open to "all hours" with no censure.

Irish Notes

Pharmaceutical Society of Ireland

The latest dates for making application for admission to the April examinations of the Society are:—Registered Druggist examination, March 29; Pharmaceutical Licence examination, April 5; Pharmaceutical Assistant examination, April 11. Applications must be lodged by 11 a.m. on the appointed dates.

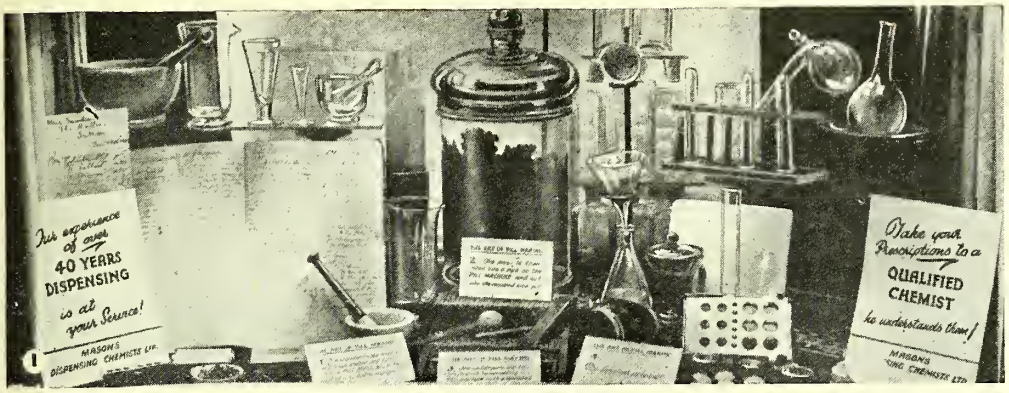
Irish Drug Association

Mr. P. A. Brady (president) was in the chair at a committee meeting of the Irish Drug Association on March 14. It was reported that a deputation consisting of the president and Messrs. Brown, Lyall Smith, MacMahon, O'Rourke, and Brendan Smith interviewed representatives of the Rexall Company to discuss resolutions regarding "penny sales." Considerable progress was made. T. J. Smith & Nephew, Ltd., Hull, wrote intimating that they proposed to give a film exhibition of interest to members in Dublin on March 23. Parke, Davis & Co. asked the committee to draw members' attention to the window display scheme promoted by the Association last year, in which the support received from members had been so satisfactory that the firm had decided to repeat the display during the last fortnight in May. The committee wish to advise members that their recent statement that tooth brushes of a mixture of hair and bristle were on the market described and sold as "pure bristle" did not refer to any manufacturer on the Approved List.

Miscellaneous

Peace Commissioner.—Mr. Francis Kiernan, M.P.S.I., Borris, co. Carlow, has been appointed a peace commissioner.

Auctioneers' Association.—Mr. John J. Cole, Ph.C., has been elected a member of the council of the Irish Auctioneers' Association as representing the Province of Ulster.

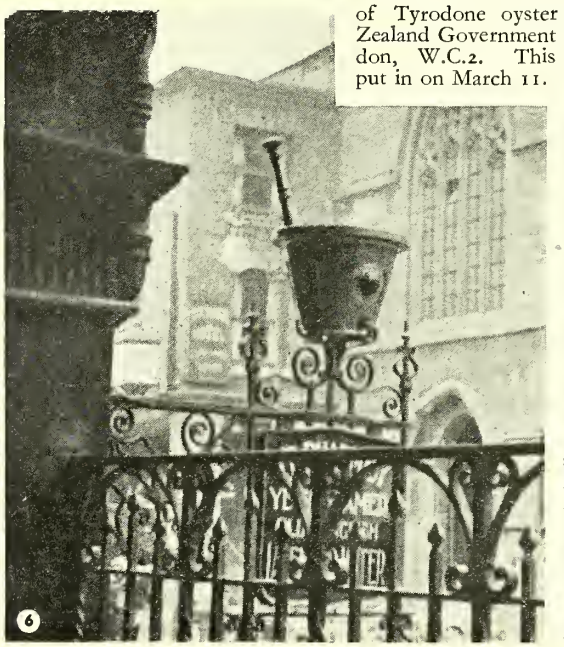

Its experience of over 40 YEARS DISPENSING is at your Service!
MASON'S DISPENSING CHEMISTS LTD.
Take your Prescriptions to a QUALIFIED CHEMIST he understands them!

News in Pictures

1. **DISPENSING DISPLAY**—The "art of pillmaking" (in three stages) is the central feature of a window display by Mr. W. E. Mason, 105 High Street, Thornton Heath.

2. **GOLF CAPTAIN**—Mr. Anthony F. Roche, this year's captain of the Irish Chemists' Golfing Society (See *C. & D.*, March 5, p. 262). Mr. Roche is also secretary of the Society.

3. **OYSTER EXTRACT DISPLAY**—Window of Tyrodone oyster concentrate at New Zealand Government building, Strand, London, W.C.2. This window display was put in on March 11.



4. **IRRADIATING FACE CREAMS**—Subjecting filled jars to the action of ultra-violet ray lamps in the factory of a U.S. manufacturer.

5. **WINNING WINDOW** — Display by Mr. L. I. Leyden at Maguire's Pharmacy, 87 Grafton Street, Dublin.

6. **"BULLSEYE" PESTLE and MORTAR SIGN**—Erected in 1910, the sign shown, which is outside the pharmacy of Mr. H. L. Gerry, is admirably suited to the mediæval character of the famous Eastgate Row (at first-floor level), Eastgate Street, Chester (See *C. & D.*, March 5, p. 273).

OLIVER GOLDSMITH FUND.—Mr. J. M. Huban, M.P.S.I., Athlone, has been appointed by the Athlone Development Association as treasurer of the Oliver Goldsmith Fund.

NATIONAL WEEK DISPLAYS.—Pharmacists in Dublin, Cork, Waterford, Limerick and other towns in Ireland made attractive displays of home manufactured articles during National Week.

DEFICIENT LINSEED.—At Londonderry, on March 9, Mr. J. Kilpatrick, Ph.C., was summoned for selling crushed linseed which was deficient in oil. On analysis the linseed was found to contain 16.5 per cent. of oil instead of 30 per cent. A technical offence was admitted, and it was stated that the remainder of the stock would be destroyed. The case was dealt with under the Probation of Offenders Act on payment of costs.

STRIKE POSITION.—The Dublin drug strike underwent a new development on March 21, when the employees of Ayrton, Saunders (Dublin), Ltd., returned to work, but picketing was continued outside the premises of the other firms affected. In the Saturday editions of the Dublin evening papers a notice appeared from the wholesale section of the Irish Drug Association that "The members of the Irish Drug Association (Wholesale Section) wish to inform their staffs that work will be resumed on Monday morning, 21st inst." Although this notice appeared, work was not resumed except in the case of the one firm mentioned. It is understood that workers who belong to the Irish Transport and General Workers' Union have now no dispute with the employers, but will not resume while pickets of the Irish Union of Distributive Workers and Clerks are on some of the premises. This Union is picketing in support of a demand that all clerical workers employed by the wholesale houses shall be members of their Union.

Scottish Notes

Edinburgh

ROYAL PUBLIC DISPENSARY.—Arrangements are being made for the official opening of the new building of the Royal Public Dispensary, West Richmond Street, Edinburgh, during the week beginning April 18.

BUSINESS CHANGE.—J. C. Matheson (partners, M. D. Matheson and R. Lorraine Cameron), 27 Bruntsfield Place, have purchased the business of Mr. H. M. Robin, M.P.S., 16 Leven Street. Both businesses will be carried on under the name J. C. Matheson.

ELECTION TO THE ROYAL SOCIETY.—Mr. Edgar Stedman, Ph.D., B.Sc., lecturer in the Department of Medical Chemistry in Edinburgh University, has been elected a Fellow of the Royal Society of London for his work on synthetic analogues of physostigmine.

Miscellaneous

BURSARIES FOR STUDENTS.—A recommendation of the Banffshire Education Committee to restrict bursaries of £15 and £20 for pharmacy students for session 1937-38 to £10 and £15 respectively has been adopted.

THE SCOTTISH PHARMACEUTICAL FEDERATION has issued a circular letter recommending chemists in Scotland to make a minimum charge of fourpence for methylated spirits or surgical spirit. The letter also points out that the police have received special instructions to inspect carefully premises where dangerous drugs are kept and chemists are advised strictly to observe the regulations.

Topical Reflections

By Xrayser

Cosmetics to Date

Your special articles in last week's issue on perfumery, cosmetics and toilet adjuncts give us a feast of good things that will serve for more than one reading. You have surveyed the perfume industry "from China to Peru"—or, more exactly, from the Balkans to California; Mr. Herbert Skinner's notes on popular taste in Canada and the United States are "meaty"; and "A History of Modern Shaving" sets forth facts that must be new to the majority of your readers. I see no reason to dissent from your dictum that perfumery and cosmetics constitute the biggest department of pharmacy: this is definitely the case when one is studying the cash register, a not unimportant item in the fittings of a shop. The other day a public man told me, in the course of a conversation, that his household read a certain daily paper chiefly because it had such a good woman's page. That fact seems to me to be of wide application. Women undoubtedly rule the shopping world (and a good many worlds besides); and whatever degree of truth there may be in the familiar line "The drama's laws the drama's patrons give," the wise retailer will arrange his stock and his methods of displaying it with a view to pleasing the feminine taste of the hour. Stocks should, I suggest, be limited in quantity accordingly.

Looking Forward

Your reports of speeches on pp. 316 and 323 record certain statements that set me thinking. One is the remark of Mr. L. Chambers at Halifax that chemists were let down during the Great War. I do not know what the speaker had in mind; but of the general truth of his comment there can be no doubt. The practical consideration arising is: what steps should be taken to prevent a recurrence of this outcome in the event of another calamitous visitation of the same kind? National preoccupation should not preclude us from beginning at once to plan for the adequate recognition of pharmacy in whatever circumstances the years may bring. Turning to the vigorous pronouncements of Mr. J. H. Franklin at Birkenhead, I find much that suggests fresh lines of action in pharmaceutical affairs. I was not aware that in "the South"—a somewhat elastic geographical term—medical practitioners are not fulfilling their obligations in respect of signed orders for certain poisons; if that is so, surely the remedy lies with pharmacists individually. If I were in business I should decline to risk my neck (as the phrase goes) for the best doctor breathing. The Council of the Pharmaceutical Society, if it is seriously thinking of obtaining a reduction on the amount of income tax payable by the Society, will need to be very certain of its ground before embarking on another test case, especially in view of a recent High Court decision in the Irish Free State. We want, as Mr. Franklin notes, a pharmacist in Parliament: I may add that he will need to possess the epidermis of a rhinoceros.

Another for the Cupboard

I remember hearing the late Mr. John Humphrey say at some social function, shortly after he had become a member of the Pharmaceutical Society's Council, that at 17 Bloomsbury Square there was a cupboard in which resolutions sent up from local bodies were deposited. He did not say "thrown," but the trend of his remark was fairly obvious, even if its terms were not entirely serious. I rather think this is what will happen to a resolution reported (p. 316) as emanating from a provincial pharmacists' association, urging the Council "to use its utmost endeavours to have the British Pharmacopœia and British Pharmaceutical Codex counterparts to proprietary and ethical products so improved as to more nearly represent their intention and make recommendation possible and advisable." What is to be deduced from this remarkable collocation of words? Without spending any time over the split infinitive, I may ask in the first place whether we are to understand that preparations of the B.P. and B.P.C. may approximate to, but can never equal, "proprietary and ethical products"; in the second place, whether the aforesaid proprietary and ethical products may symbolise good intentions but can seldom, if ever, realise them; and in the third place whether it is proposed to legalise counter prescribing (hereinafter called recommendation) by a sidewind. It is possible, of course, that recommendation by medical men is here the aim in view. I give it up; and I shall not be surprised if the Council does likewise.

Legal Reports

Alleged Conspiracy to Defraud.—At Clerkenwell, London, Police, Court, on March 22, Albert Victor Peek, a fancy goods dealer, Chingford, Frederick R. Haerdter, a director, Kensington, and Kurt O. Haerdter, an agent, Finsbury Park, were charged with conspiring together to defraud persons who might be induced to supply goods to A. V. Peek or A. V. Peek, Ltd. It was alleged that they obtained goods from various manufacturers, including The Erasmic Co., Ltd., A. & F. Pears, Ltd., Ever-Ready Co., Ltd., and Anzora Perfumery Co., Ltd. It was stated that one of the three men was installed in an office from which he supplied referenees to enable the other two to obtain credit. The defendants, who pleaded not guilty, were remanded.

Stolen Toilet Preparations.—At the Central Criminal Court, London, on March 11, Harry Felbrodt, salesman, Cambridge Court, Stamford Hill, pleaded guilty to receiving a quantity of face-cream, powder, and eyelash grower. William Norris, salesman, Gosfield Street, E.C., who pleaded not guilty to a similar charge was found not guilty and was discharged. It was stated that the stolen property consisted of Laleek preparations, manufactured by Adelaide Grey, Ltd., Avenue Road, Acton. A robbery took place there last August, and property worth about £4,226 was removed. On January 12 the police visited Felbrodt, and as a result of a statement he made, a large quantity of the stolen property was found. Norris, in the witness box, said he was a partner in a car hire firm, and did not know what was in the packages which were put in his car. He had no idea it was stolen property. With regard to Felbrodt, it was stated he was a cut-price toilet sundriesman, with premises at Gracechurch Street, E.C. Sentence was postponed until the next Sessions.

Eyelash Grower.—In the King's Bench Division of the High Court, London, on March 22, before Mr. Justice Atkinson and a common jury an action was concluded after a three days' hearing brought by Mrs. Ethel Florence Dalton, Kilburn, London, N., against Jean Bowes (Knightsbridge), Ltd., Grosvenor Terrace, London, S.E., to recover damages for injuries claimed to have been received through the application to her eyes of an eyelash grower bought at a store. Mr. Julius Dalton, the plaintiff's husband, also sued for out-of-pocket expenses incurred through his wife's injuries. The defendants denied the allegation of negligence and breach of contract made against them as manufacturers of the eyelash grower. Mr. J. P. Eddy, K.C., appearing for Mrs. Dalton, said that on the evening of January 30, 1937, Mrs. Dalton purchased from a store in High Road, Kilburn, a small metal box attached to which was a brush and a card bearing the words:—"Gaiety Eyelash Grower, 6d. Directions: Brush on the lashes. Promotes growth and acts also as a cosmetic." The box was wrapped in a transparent material and the preparation was put up by the defendant company. Mrs. Dalton had never used a beauty preparation before. When she got home she applied the grower to her lashes, and before she got into bed her eyes became red. Bathing with boric acid solution failed to ease the pain, and at 3 a.m. the burning sensation became so acute that she could not sleep. The next day Mrs. Dalton visited a hospital and eventually was attended by a specialist. By this time her eyelids were blistered. The preparation, it would be shown, contained some irritant or caustic matter. Mrs. Dalton, in the witness box, said her sight was always good before this incident. She had never before used a beauty preparation—only face powder. She bought this eyelash grower on a sudden impulse. Evidence was given by Dr. Lindsay Rea, Harley Street, that Mrs. Dalton was "one of those people who visited him suffering from the effects of using cosmetics." Her eyelids were swollen and the conjunctival cover of the eyes was affected through some irritation. It took some weeks to reduce the condition to normal, but the shock of the injury to the eyes had made it necessary that she should constantly wear glasses. The doctor added: "People are not warned that, the edge of the eyelid being moist, a cosmetic is conveyed to the interior when applied outside. Cosmetics are a perfect curse and why women tinker with their eyes I can't imagine. . . . Some people court cataract by choosing spectacles in the same way as some women buy cosmetics, etc."

What Makes Eyelashes Grow

Mr. Neville Laski, K.C. (for the defendants): Supposing I tell you that, within twelve months, over 199,000 boxes of this preparation have been sold over the counter to women and there has been only one other complaint, which is being investigated, would that affect your conclusion in regard to the caustic character of this preparation? Dr. Rea: An analyst admits that it may not affect some people, but it is obvious that Mrs. Dalton's eyelids were burned and some caustic preparation must have entered the eye. Mrs. Dalton's age was mentioned as forty-three, and Mr. Laski suggested to Dr. Rea that there was nothing in the preparation that could do the slightest injury and Mrs. Dalton had to wear glasses "because of anno domini." "Oh, no," was the reply. Mr. Laski said that as his clients did not admit this preparation was harmful or dangerous there was nothing about which purchasers could be warned. Mrs. Dalton was an individual who was idiosyncratic to one of the ingredients in a preparation, which was harmless to everybody else. Dr. Louis Wailer, Finchley Road, London, N., said he examined Mrs. Dalton's eyelids when they were inflamed. He knew roughly what was in the preparation which he understood had been applied to her eyelids, and he thought the injury was not caused by that. He gathered from her that she had applied the preparation rather vigorously with the brush and had then gone to the cinema for two hours. Mr. Eddy: If this stuff is harmless what harm could be done by rubbing it in?—Rubbing can cause inflammation. Mr. Wyndham Earle, a director of the defendant company and of Butner & Earle, Ltd., distributors, said that since October 1936 the defendants had sold, through distributors, 199,081 boxes of this particular eyelash grower and, except for Mrs. Dalton's case, there had been only one other complaint. "We are proud of our formula," Mr. Earle said. Mr. Justice Atkinson: I am interested to know what makes the eyelashes grow. Mr. Earle: Petroleum jelly as much as anything. The other contents of the preparation are colouring matter and basic stuff to make bulk. Mr. Earle said that the product which was the subject of that complaint was "totally different" from that in the present claim. He added that between eighteen and twenty preparations were made at the factory. Every care was taken and a guarantee was given by the suppliers as to purity. Mr. Justice Atkinson: Arsenic may be pure but it would be unsafe to swallow it. Mr. Alfred John Hobson, a Harley Street surgeon, said he examined Mrs. Dalton on December 2, 1937—nearly a year after she bought the cosmetic. There was no sign of caustic damage to the eyeball. He made a test of the application of the Gaiety eyelash grower to her skin and there was no caustic effect. He was told that her previous condition was inflamed eyes, swollen to the size of hen's eggs. Mr. Justice Atkinson: What do you think caused this trouble? Mr. Hobson: I find it hard to say from the prescription, which was an innocuous one. Mr. Thomas Collyer Summers, ophthalmic surgeon, of Upper Wimpole Street, said he examined Mrs. Dalton and found no sign of any caustic damage to the eye. If caustic substance had got into the eye for two months, permanent damage would have been done.

Judgment

Mr. Justice Atkinson, summing up, said that in cases where preparations were sold in sealed packets through retail shops the manufacturers owed a duty to consumers to take reasonable care that the preparations were safe to use. As to the suggestion that Mrs. Dalton was idiosyncratic, something might be perfectly harmless to the vast majority, yet there might be somebody who, for some reason, did not react in the same way to the same substance. And there were others who were erratically idiosyncratic, which meant that their reactions varied and were uncertain. The defendants had called witnesses as to the purity of the components of the eyelash grower up to the time it reached their factory, but nothing was said as to what happened in the factory. The jury found for Mr. and Mrs. Dalton and assessed damages at £250. Judgment was entered accordingly, with costs. A stay of execution was granted, on terms, with a view to a possible appeal.

Company News

P.C. means Private Company and R.O. Registered Office

Carlow Medical Hall, Ltd. (P.C.).—Registered in Dublin. Capital £100. Objects: To carry on the business of chemists, druggists, etc. The first directors are not named.

M. J. Davies (Chemists), Ltd. (P.C.).—Capital £500. Objects: To carry on the business of pharmaceutical chemists, herbalists, etc. Mary J. Salmon, 70 Sketty Road, Swansea, director.

A. V. O. L. Laboratories, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in pharmaceutical preparations, chemicals, etc. The first directors are to be appointed. R.O.: Harp Works, North Circular Road, Cricklewood, N.W.2.

Capsules, Ltd. (P.C.).—Capital £1,100. Objects: To acquire the business of a manufacturer of gelatine capsules now carried on by Harold M. Guest at Newton Works, Queen Street, Stretford, Lancs, as "Harold M. Guest." R.O.: Newton Works, Queen Street, Stretford, Lancs.

E. A. Mitchell, Ltd. (P.C.).—Capital £25,000. Objects: To carry on the business of patent medicine merchants and bottlers now carried on in Bristol and elsewhere as "E. A. Mitchell." Lawrence H. Mitchell, 73 West Street, Bristol, 2, director. R.O.: 5 Unity Street, Bristol.

Thurston & May, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in cleansing products and all other descriptions of solvents, deodorisers and disinfectants, manufacturers of chemicals, etc. R.O.: 4 Broad Street Place, Finsbury Circus, E.C.2.

Jones & Co. (New Cross), Ltd. (P.C.).—Capital £1,500. Objects: To carry on the business of dispensing chemists and druggists and opticians, and to adopt an agreement with Wm. Gough. Wm. Gough (managing director), 29 Sprules Road, Brockley, S.E. R.O.: 161 New Cross Road, S.E.14.

Seefax, Ltd. (P.C.).—Capital £1,500. Objects: To acquire the formula of a hair restoring preparation perfected by Wm. H. Speakman, and to carry on the business of manufacturers of and dealers in hair and toilet preparations, etc. Wm. H. Speakman, 204 Church Lane, Moston, Manchester, director.

Institute of Health & Beauty, Ltd. (P.C.).—Capital £1,000. Objects: To acquire the business of a dealer in and manufacturer of toilet preparations carried on by Wm. E. C. Cowie as "The Institute of Health and Beauty." Wm. E. C. Cowie, 4 Woodlands Road, Barnes, S.W.13, director. R.O.: 27 Old Bond Street, W.

Dols' Volatalise Flannel, Ltd. (P.C.).—Capital £50,000. Objects: To carry on business as manufacturers and merchants of a certain medicinal preparation known as Dols' Volatalise Flannel, and to acquire from Dols' Volatalise Flannel, Ltd. (incorporated in 1930), the registered trade mark, processes, and other assets of the old company used in connexion therewith. The first directors are to be appointed. Solicitors: Carr, Sandelson & Co., 15 Bond Street, Leeds.

McClure, Young & Co., Ltd.—At the annual general meeting of the company, held recently, a dividend of 20 per cent. was declared. The chairman, Mr. G. H. Young, in his speech, said he welcomed the new Factory Act. He assured the shareholders that the firm's policy of specialising in packed lines for the individual pharmacist had proved extremely successful.

L. Rose & Co., Ltd.—For the year ended December 31, 1937, a final ordinary dividend of 37½ per cent. is declared, making 62½ per cent. for the year. Income tax will be deducted at 4s. 8.84d. in the pound. The dividend is the same as for 1936, but this year the directors have decided that a capital bonus of £2,925, free of tax, shall be declared out of undivided profits. This will be used to pay up 29,250 2s. ordinary shares, which will be issued to shareholders in the ratio of one for ten.

Companies dissolved.—Notice has been given in "The London Gazette" that the names of the under-mentioned companies have been struck off the register and the companies dissolved: Atlantic Chemicals, Ltd.; Softwata Softeners, Ltd.

Private Arrangements

G. E. Hoyles, 81 Holderness Road, Hull, chemist.—A meeting of the creditors was held, recently, when a statement of affairs was submitted showing ranking liabilities of £1,867 15s. 4d., made up as follows: unsecured creditors, £625 9s. 4d.; contingent liability, £150; and partly secured creditors £2,942 6s., holding securities valued at £1,850. After allowing £35 11s. 11d. for preferential claims the net assets were £894 8s. 1d., or a deficiency of £973 7s. 3d. It was stated that arrangements had been made for the sale of the stock and fixtures at the figures shown in the statement of affairs. The purchaser would also take over the premises for £1,700, subject to the creditors agreeing to accept a composition of 10s. in the £. A resolution was passed agreeing to accept the offer.

J. L. Robinson (Chemist) Ltd., Newington Causeway, S.E.1. An informal meeting of creditors herein was held recently, when a statement of affairs was submitted showing liabilities of £6,040 19s. 11d., of which £3,410 8s. 3d. was due to unsecured creditors; there were cash claims amounting to £1,452 9s. 4d., and the bank were creditors for £1,158 12s. 4d., whilst a partly secured creditor for £23 held security valued at £3 10s., leaving £19 10s. to rank for dividend. The assets were estimated to realise £1,102 9s. 2d., from which had to be deducted preferential claims of £104 12s., leaving net assets of £997 17s. 2d., or a deficiency as regarded the creditors of £5,043 2s. 9d. It was reported that the company was formed in August, 1931, with a nominal capital of £500. Accounts showed that in the period from September 10, 1932, to April 5, 1933, there was a loss of £888; in the subsequent period to September 10, 1934, the loss was £8; and in the succeeding months to April 5, 1935, there was a profit of £97. During the ensuing period to September 10, 1936, the profit was £165, and from October 1, 1936, to April 5, 1937, there was a loss of £410. It was resolved to appoint a committee to investigate the affairs of the company and report to the general body of creditors.

Voluntary Liquidations

Aziade, Ltd., Buckingham Palace Road, London, S.W., perfumers. The statutory meeting of creditors was held recently at the offices of Messrs. Beattie, Duncan & Co., C.A., 24 Walbrook, London, E.C. The statement of affairs showed ranking liabilities of £2,546 19s. 1d., all due to unsecured creditors. The assets were estimated to realise £65, and they were subject to preferential claims of £50 and loans on debentures totalling £450. The company possessed trade marks which cost £1,850, but at the moment it was impossible to estimate what value was attaching to them. The business was commenced in April, 1935, and was formed to manufacture exclusively for Great Britain and the British Empire. During the last three years the turnover had amounted to nearly £10,000, but losses had been sustained on the trading. It was decided that the voluntary liquidation of the company should be continued, with Mr. H. L. Smith, of Messrs. Beattie, Duncan & Co., as liquidator, with a committee.

Manex, Ltd., Barton, Manchester, manufacturers of pharmaceutical preparations and manicure sets. Pursuant to Section 238 of the Companies Act, 1929, a meeting of the creditors of the above was held recently at the Victoria Hotel, Manchester. The statement of affairs disclosed liabilities of £4,452 4s. 7d., against assets of £2,803 6s., or a deficiency, so far as the creditors were concerned, of £1,648 18s. 7d. It was stated that the company was registered on April 4, 1932, with a capital of £1,000, divided into shares of £10 each. On December 31, 1936, the capital of the company was increased to £1,600, and later further capital to the extent of £4,440 was introduced. During the year to December 31 last the company made a net loss of £4,500. The shareholders had previously met and passed the usual resolution putting the company into voluntary liquidation and had nominated Mr. Parker, of Messrs. Parker Gradwell & Co., C.A., Manchester, as liquidator, and after a short discussion the creditors decided to confirm Mr. Parker's appointment. A committee was also elected.

Evening Meeting in Edinburgh

THE fifth meeting of the session of the North British Branch of the Pharmaceutical Society was held at 36 York Place, Edinburgh, on March 18, Mr. W. Spence Culbert in the chair. In the unavoidable absence of Mr. Dott, Ph.C., who was to have read the following three papers on Laboratory Notes, the chairman asked Dr. Tait to read them.

Estimation of Alkaloids in Compound Syrup of Glycerophosphates, B.P.C.

[ABSTRACT]

A PAPER in "The Analyst," 1937, 62, 538, describes the method of determining the caffeine and strychnine in this syrup, which consists in the extraction of the alkaloids by chloroform. A series of experiments is also described to prove that the method is thoroughly reliable. But it does not follow that it is entirely satisfactory as applied to the syrup in question. The chloroform already contains a little alcohol and it is well known that chloroform plus alcohol will dissolve substances from a solution that pure chloroform will not remove.

As carbon tetrachloride contains no alcohol, and more readily separates from a solution like compound syrup of glycerophosphates, experiments were tried with mixtures of chloroform and carbon tetrachloride. It was found that with two volumes of carbon tetrachloride to one of chloroform the alkaloids were removed with difficulty. On the other hand, a mixture of two volumes of chloroform and one volume of carbon tetrachloride acts very well, the results of experiments being: Mixed alkaloids 0.278 gm.; strychnine 0.013 gm.; hydrated caffeine 0.286 gm.

Solubility of Caffeine and Strychnine in Carbon Tetrachloride

[ABSTRACT]

CAFFEINE crystals were macerated for three days in carbon tetrachloride at a temperature not exceeding 15° C. When 14 c.c. of filtrate was evaporated and the residue dried at 105°, the latter weighed 0.020 gm., i.e., 0.143 gm. in 100 vols. = 0.154 gm. hydrated caffeine = 1 part in 650. Strychnine similarly treated gave the following results: 10 c.c. filtrate left 0.026 gm. strychnine, i.e., 1 in 384.

Mixtures of Ether and Chloroform

[ABSTRACT]

A MIXTURE of equal volumes of ether and chloroform when ignited burns gently with a smoky flame, but one of two volumes of chloroform and one of ether is ignited with difficulty. When boiled in a test tube and the light applied, there is a momentary lambent flame but no continued burning. A point is reached when after several hours' exposure there is no appreciable increase in the specific gravity. There is a contraction in volume on mixing the two fluids suggesting possibly a kind of combination.

DISCUSSION

DR. BLACKIE said that on mixing ether and chloroform in equal volumes at 60°, the temperature immediately rose to 85° and there was a contraction of about 5 c.c. He did not attribute this to any chemical combination but rather to a physical condition.

MR. RUTHERFORD HILL said he did not think the solubility of caffeine and strychnine in carbon tetrachloride had been previously determined. With regard to the suggestion of chemical combination, Mr. Dott in conversation had suggested that if the mixture was subjected to a very low temperature by means, for example, of carbon dioxide, it might be possible to get the compound to crystallise out.

The next communication was given by Mr. David Ritchie, M.P.S.

Oil of Tar and Iodine Paint, B.P.C.

[ABSTRACT]

IN making Pigmentum Olei Picis cum Iodo B.P.C. a violent reaction occurred. In order to investigate the matter the pigmentum was first prepared by powdering the iodine in a mortar and rubbing it up with the oil of tar. Shortly after adding the latter the temperature of the mixture rose and quickly reached 100° C., when white fumes of hydriodic acid were evolved. The B.P.C. directs that rectified oil of tar be used. Under the monograph of oleum picis two rectified oils are described. It is stated that this oil on distillation is separated into two fractions. The first fraction is known as "light oil of tar" or spirit of tar, and the second as rectified oil of tar. There are two oils on the market which are described as rectified oil of tar, but which were found on examination to differ markedly in their physical properties. A sample of the first was light brown in colour, had a specific gravity of 0.882, and distilled between 140° and 180° C. In making the pigmentum with this oil a violent reaction occurred. A sample of the second was a darker oil, its specific gravity was 0.982 and it distilled between 195° and 230° C. It was found that there was no reaction when the pigmentum was made with this oil; the iodine dissolved without producing heat or evolution of acid fumes. An approximate estimation of the free iodine in both samples of pigmentum was made, and it was found that the first sample contained about 3.8 per cent. and the second sample 15 per cent. The loss in the former was due to the vigorous reaction with formation of hydriodic acid and evolution of iodine vapour. In both cases it is likely that some iodine enters into combination because these oils are mixtures of hydrocarbons and phenols.

Associated with many of the pine oils is the unsaturated dicyclic terpene, pinene. Pinene is capable of taking up two molecules of a halogen to form compounds which, when heated, break up into *p*-cymene and the hydrogen halide. As the result of this investigation it will be noted that the heavy rectified oil of tar gives a preparation which is not attended by any chemical incompatibility. Most of the rectified oil of tar on the market appears to conform to the description of the light oil.

DISCUSSION

MR. HUNTER said that if the iodine were added to the oil of tar gradually instead of vice versa the reaction was so modified that there was practically no loss of iodine, and he had found that the paint so prepared contained a considerable amount of free iodine. In both cases there was a considerable resinous deposit which was much greater when the oil was added to the iodine.

MR. RUTHERFORD HILL said he thought Mr. Ritchie had satisfactorily solved the problem. The different procedure mentioned by Mr. Hunter had been suggested and no doubt it did avoid the violent reaction. He thought, however, that the use of the heavier oil of tar was the real solution and that the B.P.C. should more definitely indicate the characters of the rectified oil of tar.

MR. RITCHIE, in replying, said the B.P.C. directed heat to be employed in dissolving the iodine. Anyone who had not previously made the paint would naturally put the iodine and the oil of tar into a bottle and shake them up together and, from the practical demonstration he had given, they would realise what an alarming result might follow because of the very violent reaction. With regard to the resinous deposit mentioned by Mr. Hunter, he thought it was caused by oxidation, iodine being the oxidising agent and the quantity of resin being greater the higher the temperature.

The chairman then asked Dr. J. J. Blackie to read his paper.

Pollen Allergens

[ABSTRACT]

POLLEN allergens, antigens or extracts are solutions obtained by extracting the dried pollens of plants, and are used for the diagnosis and treatment of hay fever, or pollinosis. After giving an outline of the history of allergic conditions, Dr. Blackie said that by the beginning of the twentieth century the pollen theory was firmly established. Extracts of certain flowers and their pollens were given by injection and a certain degree of immunity was obtained. The modern technique consists of determining the sensitivity of the patient to the various pollens by diagnostic cutaneous tests in which the pollen extracts are applied to the scarified skin of forearm. A positive

reaction is indicated by a clearly defined wheal surrounded by an areola, which should occur in fifteen to thirty minutes. The area affected by this reaction should not be less than 6 mm.

Treatment consists of injecting subcutaneously increasing doses of the affecting allergen, thus stimulating the production of allergin, and, in time, rendering the patient immune from attack. The plants which are chiefly responsible for producing hay fever are those with flowers which are adapted for wind pollination. The pollen grains of such flowers are powdery in nature and are produced in great abundance. Chemically the grains consist of invert sugar, starch, cellulose, protein, oil and a ferment. When conditions are favourable, the pollen grains are carried considerable distances. It has been shown by aeroplane tests that pollen extends in large amounts to great heights—in abundance up to 4,000 feet, in diminishing amounts from 4,000 to 6,000 feet, and relatively sparsely from 6,000 to 15,000 feet. In Scotland the pollen cloud is most pronounced from the beginning of June to the end of July. In England it is a week or two earlier.

The grasses are the most important group of plants which produce hay fever in Britain. The trees chiefly responsible are oak, birch, beech, hazel, ash and sycamore.

In the collection of pollen it is necessary to exercise great care in the correct identification of the plants, because it is impossible to identify afterwards with any degree of certainty the source of the pollens. The plants are gathered when the flowers are almost ready for pollination. The flowers are gently tapped once a day until the pollen ceases to drop off, the collection being done in the morning, which is the most favourable time for pollination.

It is necessary to dry it in a vacuum desiccator over calcium chloride or sulphuric acid until no more moisture can be removed, to prevent destruction by ferments.

Methods of preparing the extract involve the preliminary grinding of the pollen in order to break the cell membranes, followed by maceration in one of the following extracting fluids—normal saline, alkaline saline, buffered saline—the *p*H of which is 7—or glycerinated solutions.

The final step in each method involves the filtration and sterilisation of the extract and, in some cases, the addition of phenol as a preservative. Different methods of standardisation are in use.

Discussion

In reply to a question by Mr. Currie, Dr. Blackie said he was not aware that any work had been done showing that hay fever was due to a bacterial toxin. Replying to a question raised by Mr. Carson, he said that at harvest time pollination was over and any sickness might be caused rather by dust during harvest operations.

On the motion of the Chairman, a vote of thanks was awarded to Dr. Blackie, Mr. Dott and Mr. Ritchie.

Recent Research

Phellandrene Chemistry

Macbeth, Smith and West ("Journal of the Chemical Society," 1938, 119) have made a critical examination of the characters of *β*-phellandrene. *Eucalyptus* cineorifolia yields an essential oil which contains both *α*- and *β*-phellandrene. In order to obtain authentic specimens of the optical isomers of *β*-phellandrene, the fruits of *Phellandrium aquaticum* were used for the preparation of *dextro*-*β*-phellandrene, and Canada balsam oil for the preparation of lævo-*β*-phellandrene. The *lævo*-*β*-phellandrene from Canada balsam oil boils at 53°, at 12 mm., and has a specific rotation −51.9°. The characters of the nitrosites are recorded and their derivatives compared.

Chemistry of Shellac

An interesting paper on the constitution of shellolic acid by Nagel and Mertens appears in the "Berichte der Deutschen Chemischen Gesellschaft" (70, 2173) and constitutional formulas are suggested for this acid, for the hydrocarbon shellane and for the so-called "pine resin" of shellac. The amount of experimental details given, however, in support of these formulas is very meagre, but no doubt the formulas suggested, however speculative, are due to somewhat unusual notes by other workers.

Pharmaceutical Society of Northern Ireland

Council Meeting

The monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held on March 18 at 73 University Street, Belfast. The President (Mr. S. H. Forrest) was in the chair, and there were also present Messrs. W. C. Tate, S. Gibson, J.P., I. W. Parker, J. Glendinning, W. Martin, J. McDowell, J. T. Nicholl, J. W. Gray, C. Abernethy, J. McGregor, J. F. Grimes, J.P., J. E. Connor, Professor James Small, and Dr. S. E. A. Acheson. An apology was received from Mr. H. F. Moore. The secretary, Mr. D. L. Kirkpatrick, was also in attendance.

The Secretary reported receipt of a copy of the Acts regulating the sale of poisons and the practice of pharmacy from the Pharmaceutical Society of Ireland and a copy of the Pharmaceutical Register from the Pharmacy Board of South Africa.

A letter was received from the Ministry of Home Affairs enclosing a payable order for £801 3s., being the balance to which the Society was entitled at February 28, 1938, of the suspense account containing licence fees under the Pharmacy and Poisons Act, 1925.

The Secretary stated that this was about four guineas less than last year.

A letter was also received from the Ministry of Home Affairs giving notification that the withdrawal of the authorisation of Mr. Thomas Sandford, Newtownards, to be in possession of and to supply dangerous drugs, had been suspended by the Minister of Home Affairs.

The amended regulation No. 71a relating to the examinations was sealed on the motion of Mr. Gray, seconded by Mr. McDowell.

The report of the Finance Committee was adopted on the motion of Mr. Martin, seconded by Mr. Gray.

Finance

Mr. Kirkpatrick said the Society had in hand, including the amount received from the Home Office, £1,181 17s. 9d. All that amount would not be required to run the Society during the present year, and about £700 could be invested.

The President said the matter had been discussed by the Finance Committee, which had come to the conclusion that owing to present conditions it should be referred to the Council.

After a discussion it was decided to invest a sum of £320 in Imperial War Savings Certificates and to consult the Society's stockbroker with regard to the investment of the remaining sum.

On the motion of Mr. Abernethy, seconded by Mr. Nicholl, the following nominated candidates were elected as members of the Society:—Mr. William Dick, 47 Tate's Avenue, Belfast; Mr. Edward Carson Steenson, Carricklee, Strabane; Mr. Robert James Taylor, 230/232 Albertbridge Road, Belfast; Mr. Samuel Hutchinson, 34 Woodvale Road, Belfast; Mr. Thomas George Rutledge, 12 Strathmore Park South, Belfast; Mr. James Joseph Kelly, 3 Cliftonpark Avenue, Belfast; Mr. Charles Holmes, Tieve-Tara, Carrickfergus; Mr. Hugh Baird, 253 Castlereagh Road, Belfast; Mr. George Horace Parkinson, Medical Hall, Draperstown, co. Derry.

It was decided that the next Council meeting should be held on Good Friday as usual.

Air-raid Precautions

Mr. Glendinning asked if pharmacists should not be able to play a part in air-raid precautions.

The President replied that the Government had given local authorities power to organise.

Mr. Glendinning: I think we should be in the forefront of it.

The President added that pharmacists were at liberty to interest themselves by joining classes or organising them.

Many a true word.—The Department of Scientific and Industrial Research is considering the problem of the detection of rancidity in edible fats. . . . The trouble is that there is no career for a clever youngster in detecting rancidity in edible or inedible fats.—Beachcomber in the "Daily Express."

Medical Research Council's Report

THE need for extending research on chemotherapy in this country was referred to in a short extract taken from the Medical Research Council's Report, 1936-37, which appeared in last week's issue of THE CHEMIST AND DRUGGIST (p. 321). The report gives estimates of the sums which will be expended on research, the maintenance of laboratories and institutions and the salaries of the scientific staff concerned, during the present year. As already mentioned, £30,000 has been provided by Parliament for the development of research in chemotherapy. The following is a more detailed account of the work which has been carried on in the past year under the direction of the Council. It is noted that the Council have decided to amend the site for the National Institute for Medical Research at Hampstead, and concentrate the whole of the Institute at Mill Hill.

Trypanocidal Compounds

During the last few months, what promises to be an important series of remedial agents for trypanosome infections has come to light through research which was carried out partly in the National Institute for Medical Research. It has been shown that trypanosomes " in vitro " used glucose for their metabolism, and it was supposed that the reduction of the blood sugar of the mammalian host by synthalin—introduced some years ago as a substitute for insulin—killed trypanosomes by starving them. The direct effect upon these organisms of synthalin and its analogue synthalin B has been tried, and it has been found that these substances rapidly killed trypanosomes in extreme dilutions—even as low as one part in hundreds of millions. A member of the diamidine series has already been found with as powerful a trypanocidal action as synthalin, but a lower toxity for the mammalian host, and there is no reason to suppose that the optimum has been reached. The curative action of some of these compounds on rodents infected with trypanosomes seems to be already well established experimentally, and it is highly probable that substances will be found in this series which will be practically effective, and at the same time simple and inexpensive to produce, as compared with agents at present available. Chemotherapy has had a recent practical success in a new and most important direction—that of treatment of streptococcal and certain other bacterial infections. Attention was drawn in last year's report to this, and it may be recalled that the introduction of sulphanilamide was associated with a fall in the mortality rate among cases of puerperal sepsis at Queen Charlotte's Hospital from an average of 22.7 per cent. over the years 1931-35 to one of only 4.7 per cent. Substances of the sulphanilamide group seem to limit the invasive powers of the streptococci responsible for the infective condition. It is interesting to note that what is probably the first general indication of the public benefit initiated here is the reduction of the death rate from puerperal sepsis in London from an average of 1.57 per thousand births over the years 1930-35 to a figure of 0.75 in 1936. Other serious conditions have also proved amenable to the influence of these drugs, in particular it appears that their curative action in erysipelas is so great as to revolutionise the treatment of this disease. Probably, however, their effect in streptococcal meningitis is the most spectacular. Up to two years ago the mortality among cases of this disease was over 90 per cent., but within the past few months no fewer than twenty-five recoveries have been reported in medical literature following the use of substances of the sulphanilamide group, and others are known to have occurred. It might be noted that the sulphanilamide compounds bid fair to replace the mandelic acid treatment of infections of the genito-urinary tract, because they are equally effective and more simply administered. From the standpoint of public health perhaps the greatest importance attaches to reports of the curative effects of sulphanilamide compounds in acute and chronic gonorrhœa in both sexes. The problem of discovering a quick and effective method of curing this latter disease has resisted all efforts for many years. Both in males and females the number of cases attending centres for the first time throughout England and Wales has remained virtually stationary (about 28,000 to 30,000 men and 7,000 to 8,000 women). It now appears that the sulphanilamide compounds have a curative action in gonorrhœa, which is both effective and rapid. In one area 94 out of 100 cases of acute and chronic gonorrhœa have been discharged as cured. Furthermore, it has been found that whereas the average time spent in hospital by cases of acute gonorrhœa before the use of these drugs was about four to five days, treatment by sulphanilamide compounds reduced the time in hospital before discharge to duty to an average of fifteen days. It is necessary to give a warning to the public that a powerful remedy must be used with care and discrimination and always under medical advice. The method of chemotherapy exploits the margin between the lethal effect of a drug on the invading micro-organism and its toxic action on the patient. In some circumstances or with certain preparations of a drug the margin may be narrower than usual ; a few individuals, also, will always be found who are peculiarly sensitive. Some time ago it had been hoped that it would be possible to vaccinate a sufficient number of persons with influenza virus (inactivated with treatment by formaldehyde) in advance of the next epidemic of influenza to make a thorough test of its protective value. The 1936-37 epidemic unfortunately arrived when only a beginning had been made with this plan. Enough had been done, however, to show that the vaccination was harmless and that it caused the appearance of antibodies to the virus as detected by blood tests. The results of the virus trials involving large groups of individuals were, however, conclusive.

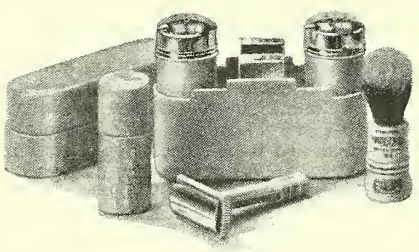
Virus Culture on Egg-Membrane

Much work has been carried out recently dealing with a laboratory method which has already proved of much value in the study of human and animal diseases due to infection with filter-passing virus. One of the chief obstacles to the investigation of these ultra-microscopic organisms has been the failure to grow them in artificial culture media, such as are commonly used successfully in the case of visible bacteria. Research on virus has therefore depended on maintenance by repeated passage from animal to animal. In these circumstances, the discovery is welcome that many viruses can be propagated in the developing egg of the domestic fowl—or, more precisely, in the chorio-allantoic membrane of the embryo chicken. Just as the membrane will nourish tumour grafts which will not grow in the fully developed bird, so will many viruses multiply freely in the membrane or in the embryo, although they may not be infective for chickens or fowls. The resistance of the embryo to virus infections is imperfectly developed, and it may be lowered still further by incubating the inoculated eggs at abnormally low temperature. Developing eggs can now be used with advantage in many instances to replace experimental animals. Many viruses can be propagated free from visible bacteria on eggs ; and a suspension of virus may be titrated with ease in this way. Assays of the potency of antisera may be made, and recently this method has been used in some important studies of the mode of action of antisera on virus. The membrane also offers exceptionally favourable conditions for histological studies of the lesions induced by virus infections ; its normal structure is so simple that any reaction to infection can readily be studied. An interesting possibility emerges from the continued passage of virus in eggs. It has been shown that influenza virus changes its character after prolonged passage from egg to egg, so that while remaining virulent for the egg membrane, it loses its virulence for the ferret and mouse. Yet the avirulent strain preserves its immunising properties. If these characteristics can be propagated, the value of such a strain for the immunisation of man is obvious. It is clear that this method could be used for the rapid production of vaccinia virus free from contaminating bacteria for the vaccination of man—either as a routine measure or in an emergency such as a smallpox epidemic. Studies on the influence of conditions of absorption on the effectiveness of gonadal hormones have shown that certain of these, notably œstrone and testosterone, have an intense and very prolonged activity when administered by the implantation of a crystal or compressed tablet of the solid substance. The duration of action may be as much as a hundred times that of the free hormone injected in oily solution, and may be much greater than that of the esters giving highly effective and prolonged actions when so injected.

Trade Notes

OYSTER SHELLS FOR DISPLAY.—Oyster shells as used in the display of Tyrodone oyster concentrate (see p. 361) are available on loan to any chemist who wishes to make a similar display. Applications should be made to the makers, Ru-Mari, Ltd., First Avenue House, High Holborn, London, W.C.1.

WARDONIA RAZOR.—A handsome addition to the series of Wardonia razors is illustrated on this page. It takes the form of an ivory traveller's set containing carrier for soap and shaving brush and two nickel-plated boxes for razor blades. The razor itself consists of an ivory handle and guard, and the entire outfit measures 5 in. by $3\frac{3}{4}$ in. by $1\frac{3}{4}$ in. A brochure containing illustrations and details concerning Wardonia razors, blades and brushes is available, and copies may be obtained on application to Thomas Ward & Sons, Ltd., Wardonia Works, Sheffield, 1.



SEALS FOR CONTAINERS.—William Freeman & Co., Ltd., Britannia House, Wellington Street, Leeds, 1, advertise Suba seals for tubes, winchesters, carboys and every type of bottle. They are air-tight, damp-proof and unbreakable. The Suba seal automatic machine for sealing large quantities of containers is available, and further particulars may be obtained on application.

RADIO-ACTIVE MINERAL WATER.—The Radio-Active Mineral Water Co., Ltd., 49 Southwark Street, London, S.E.1, direct attention to Gastein water, which emanates from the spa at Badgastein, Salzburg. This mineral water, which is taken for the relief of rheumatism and similar ailments, is said to be radio-active, and this element is retained in the water after bottling. The radio-activity of the water is 177 milli-micro-curies per gallon, or approximately seven times higher than that of any other portable spa water. A brochure is obtainable explaining the process used for retaining indefinitely the radio-activity of spa waters. Further details are given in our advertisement pages.

NOVELTY PERFUME PACK.—The cut-out display stand shown in last week's issue of THE CHEMIST AND DRUGGIST, p. 324, should have carried the newest style of hat box novelty as shown in the illustration herewith. This consists of a black imitation leatherette hat box complete with carrying strap and miniature travel labels. Inside is a bottle of the Mischief perfume manufactured by Saville Perfumery, Ltd., 124 Rickmansworth Road, Watford, Herts.

NEW TYPE OF TOOTH BRUSH.—A new form of tooth brush has been recently introduced and is offered to the trade by the sole distributors for the United Kingdom and Irish Free State, M. Newmark & Co., 77 Milton Street, London, E.C.2. The advantage of this tooth brush is that it can be adjusted to clean behind as well as between the teeth. The brush consists of a short head with the bristles arranged for the easy removal of food debris. The handles are permanent, but the refill heads with various degrees of hardness in the bristles are sold separately. The refills can be removed for sterilisation as well as replacement. Further details appear elsewhere in this issue.

AUTOWAY BABY SCALE.—A popular priced baby scale is advertised in this issue by the Autoway Co., 13 Wellington Street, Glasgow. This is to meet the growing demand for a baby scale for use at home. Special illustrated showcards are supplied to those taking up the Autoway baby scale agency. Further details are given in our advertisement pages.

HOLLOWAY'S PILLS AND OINTMENT.—An important announcement concerning these well-known proprietary articles appears in our advertisement pages to the effect that new popular price sizes of pills and ointment will be introduced. Old stock will be exchanged if returned through the usual wholesalers or direct to Holloway's Pills, Ltd., 12 Clipstone Street, London, W.1. Trade terms and window show terms are given elsewhere in this issue.

COTY NEW HARMONY PACK.—Coty (England), Ltd., 3 Stratford Place, London, W.1, direct attention to the Emeraude perfume and toilet preparations which are issued in a new harmony pack. Each preparation, including talcum powder, bath salts, face powder, toilet water, as well as perfume, can be obtained in this one distinctive design. There are other Emeraude preparations for the toilet, details of which are given in our advertisement pages, and chemists may obtain particulars of new attractive display material on application.

VINOLIA SHAVING STICK REFILLS.—Illustrated on this page is the complete pack of Vinolia shaving stick refills, to which brief reference was recently made in this column. This attractively cartoned pack should be supplied on all orders for Premier shaving stick as well as when a refill for the bakelite drainer case is desired. This refill is being extensively advertised in the national Press by Vinolia Co., Ltd., Bebington, Cheshire.

N.P.U. Election

THE result of the voting in the election of an Executive for the three years commencing on April 1 next has just been announced. The voting is as follows (names of unsuccessful candidates in italics):—

North-Western Division 1.—Dobson, Arthur (unopposed).

North-Western Division 2.—Scholes, William Isaac (unopposed).

North-Western Division 3.—Tristram, William John (unopposed).

North-Eastern Division 1.—Forster, William (unopposed).

North-Eastern Division 2.—Heseltine, Thomas (unopposed).

North-Eastern Division 3.—Brocklehurst, Eric Arthur, 142; *Hobson, Cyril Watson, 124.* Voting papers issued, 360; returned, (valid) 266, (invalid) 0.

Western Division 1.—Bryan, David Allen (unopposed).

Western Division 2.—Davies, Benjamin Pugh (unopposed).

Western Division 3.—Marshall, Henry Herbert (unopposed).

Eastern Division 1.—Hague, John (unopposed).

Eastern Division 2.—Evans, John (unopposed).

Eastern Division 3.—Stearn, Sidney John (unopposed).

Southern Division 1.—French, John Edward (unopposed).

Southern Division 2.—Atkinson, Wilfrid Webster (unopposed).

Southern Division 3.—Yeates, Charles John, 195; *Battershill, Frank Easton, 101.* Voting papers issued, 432; returned (valid) 296, (invalid) 3.

Metropolitan Division.—Melhuish, Andrew Ralph, 755; Hearle, Joseph, 709; Atkins, Ernest Andrew, 525; *Rees, David Andrew, 523.* Voting papers issued, 1820; returned, (valid) 895, (invalid) 2.

Percentage of returns, 49.28.

Trade-Mark Applications

(From "The Trade Marks Journal," March 9, 1938)

"LAXACAPS"; for laxatives in capsules (3). By Thatcher, Pike & Co., Ltd., 47 High Street, Shanklin, I.O.W. 582,727.

"BARRIOR"; for inhalants (3). By A. U. Products, Ltd., 33/36 King William Street, London, E.C.4. 583,190.

"RAIMITS"; for bath gloves (11). By Raimits Manufacturing Co., 12 Queen Street, Manchester, 2. 583,040.

"OCEANS OF NOTIONS"; for perfumery, etc., excluding soap (48). By A. Barnet & Co., Ltd., 48 Golden Lane, London, E.C.1. 582,038. (Associated.)

"FRESHETTE"; for perfumery, etc. (48). By J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.1. 582,681.

"SANTRON"; for tooth paste (48). By Ray & Clark, Ltd., 3A Terminus Road, Littlehampton. 582,064. (Associated.)

"JHONENG" on label design; for perfumery, etc. (48). By John England (Perfumers), Ltd., 71A South Western Road, Twickenham, Middlesex. 582,823.

"RYOT" on label design; for perfumery, etc. (48). By Cussons, Sons & Co., Ltd., Moor Lane, Kersal, Manchester. 582,265. (Associated.)

(From "The Trade Marks Journal," March 16, 1938)

"DISTRENE"; for powdered chemicals (1). By Honeywill & Stein, Ltd., 15 Regent Street, London, S.W.1. 582,452. (Associated.)

"HADFIELD'S"; for artificial manure (2). By George Hadfield & Co., Ltd., 146 India Buildings, Liverpool, 2. 578,489.

"SISTAN"; for agricultural and horticultural chemicals (2). By Imperial Chemical Industries, Ltd., Imperial Chemical House, London, S.W.1. 582,748.

"PLEXO"; for worm-eradicating horticultural preparations (2). By H. M. Roemmele & Co., 65 West Regent Street, Glasgow, C.2. 580,581.

"PRAVENDES"; for veterinary preparations (2). By B. C. Tipper & Son, Ltd., 43 Homer Street, Balsall Heath, Birmingham. 581,934.

"UNGUENTOLAN"; for salves and plasters (3). By Heyl & Co., Chausseestrasse 88, Berlin, N.65, Germany. B578,008.

"LANTOL"; for colloidal rhodium (3). By Charles Couturieux, 18 Avenue Hoche, Paris, France. 580,074.

"MENOPAX"; for all goods (3). By Clinical Products, Ltd., Gloucester House, Charing Cross Road, London, W.C.2. 582,228.

"GOLLIWOG"; for medicinal chemicals, excluding soap (3). By James Robertson & Sons, Preserve Manufacturers, Ltd., 8 Stevenson Street, Paisley. 582,540. (Associated.)

OLDLANDS "THOR" BRAND with illustration of Thor (word "Oldlands" disclaimed); for medicinal substances, excluding sweetmeats and soap (3). By R. W. Oldland, 131 The Broadway, Thorpe Bay, Essex. 577,690. (Associated.)

"ADINOLAN"; for medicated preparations (3). By Lewis & Burrows, Ltd., 146 Holborn, London, E.C.1. 583,195.

"NEOBAR" and "TETRAGNOST"; for medicinal chemicals (3). By E. Merck, Frankfurterstrasse 250, Darmstadt, Germany. 583,428/429.

"PLACERON"; for medicinal chemicals (3). By Schering, Ltd., 185 High Holborn, London, W.C.1. 583,484.

"NAXOLITHE"; for perfumery, etc. (48). By Naamlooze Vennootschap Drogerijen Maatschappij, 52 Verlaatstraat, Rotterdam, Holland. 582,087.

"GUITARE"; for perfumery, etc. (48). By Laboratoires Valdor, 50 Quai National, Puteaux (Seine), France. 583,462.

"PIEGE"; for perfumery, etc. (48). By Grenoville, 110 Avenue Pereire, Asnieres (Seine), France. 583,488.

APPLICATION AMENDMENT

The specification for "ASCOCAPS" in Class 3, No. 581,457, by Reynolds & Branson, Ltd., has been amended to "capsules containing aspirin."

Personalities

MR. WILLIAM BENNETT, M.P.S., Totnes, has been elected chairman of the Dart Amateur Rowing Club.

ALDERMAN B. HOLDEN, J.P., M.P.S., Blackburn, has been appointed vicar's warden at St. John's Church.

BRO. F. W. SHEPHERD, Nottingham, was installed Master of the Duchess of Portland Lodge on March 17, when the following pharmacists were present:—W. Bros., S. H. Plattin, P.P.G., I.W.; G. F. Godson, P.P.G., Treas.; C. E. Reynolds, P.M.; H. C. Prince, P.M.; and Bros. J. H. Atherley, J. R. Ball, F. A. Bates, T. R. Burrows, W. J. Clay, H. T. A. Gretton, W. H. Simpson, V. Stanley, A. E. Turner.

Births

Notices for insertion in this column must be properly authenticated.

DAVIES.—At the Poplars Nursing Home, Smethwick, on March 20, the wife of Ewart Davies, M.P.S., Birmingham, of a son.

MATTHEWS.—At Shrublands Nursing Home, Croydon, on March 19, Wynne, the wife of H. Dennis R. Matthews, M.P.S. (Potter & Clarke, Ltd., London), of a daughter.

THOMAS.—At Cowdray Nursing Home, Weston-super-Mare, on March 14, the wife of H. Williams Thomas, M.P.S., Knightstone Pharmacy, of a son.

Deaths

HENDERSON.—On March 2, Mr. John George Henderson, chemist and druggist, 14 St. John's Road, Highgate, London, N.19, aged seventy-nine.

REES.—In Chelmsford Hospital, recently, after a short illness, Mr. Alcwyn Rees, M.P.S., High Street, Billericay, Essex, aged sixty-six.

WALTERS.—Recently, Mrs. Irene Maud Walters, M.P.S., Edward Grove, New Barnet, Hertfordshire. Mrs. Walters passed the Pharmaceutical Society's Minor Examination in 1917.

WOLSTENHOLME.—On March 12, Mr. Abel Joseph Wolstenholme, M.P.S., 476 Didsbury Road, Manchester, aged eighty.

Recent Wills

MR. THOMAS SLATER, 51 Darlington Street, Wigan, director of Slaters (Wigan), Ltd., chemists, who died on January 5, left £2,869, with net personalty £2,857.

MR. FRED ARTHUR FORRESTER, M.P.S., 92 High Street, Hadleigh, Suffolk, who died on January 7, has left estate of the gross value of £3,130, with net personalty £1,635.

MR. JAMES LAING, M.P.S., 1 Alma Place, Laurencekirk, chemist and druggist, who died on October 27 last, aged eighty-three, left personal estate in Great Britain valued at £2,778.

COLONEL EDWARD AUDUS HIRST, C.M.G., T.D., Harrogate, and formerly of Ingmanthorpe Hall, Wetherby, Yorks, chairman of Hirst, Brooke & Hirst, Ltd., manufacturing chemists, Leeds, who died on November 1, 1937, left £16,508, with net personalty £11,923.

Coming Events

Tuesday, March 29

Liverpool Chemists' Association, Royal Institution, at 8.30 p.m. Professor E. C. C. Baly, F.R.S., on "Some Experiences in India."

Wimbledon Pharmacists' Association, Town Hall, at 8.30 p.m. Extraordinary meeting. At 8.45 p.m., Mr. F. W. Yeomans on "An Economic Survey of Retail Pharmacy."

Wednesday, March 30

Middlesbrough Pharmacists' Association, Cleveland Scientific Institute, Corporation Road, at 8.15 p.m. Miss B. Sharples on "The N.P.U. Organisation and Members."

Thursday, March 31

Glasgow Branch, P.D.A., Highlanders' Institute, 27 Elmbank Street, at 8 p.m. Annual general meeting.

Isle of Thanet Branch, Pharmaceutical Society, White Hart Hotel, Margate, at 8.30 p.m. Supper and social evening.

Manchester Pharmaceutical Association (Junior Branch), Victoria Hotel, Deansgate, at 8.30 p.m. Annual meeting.

North London Pharmaceutical Association, Restaurant Frascati, Oxford Street, W.1, at 6.30 p.m. Annual dinner and dance.

Friday, April 1

South-West London Chemists' Association, Balham Club, Ltd., Ramsden Road, S.W.12, at 9 p.m. Meeting.

Retail
1/3 size
1/9 ,,
2/9 ,,

John Bell
BRAND

Trade
8/6 doz. bottles
11/6 ,, ,,
17/6 ,, ,,

TIN-OX TABLETS

JOHN BELL, HILLS & LUCAS LTD.
OXFORD WORKS, TOWER BRIDGE ROAD, LONDON, S.E.1

COLDS

PREVENTION and TREATMENT
efficiently accomplished by
SEROCALCIN
tablets
Literature gladly sent to any Pharmacist
Harwoods Laboratories Ltd., Watford, Herts.

'PANOPEPTON'
A FOOD FOR YOUNG AND OLD
'PANOPEPTON' is sustaining, palatable and acceptable to the most delicate stomach.
Supplied in 12-oz. bottles.
Originated and Manufactured by
FAIRCHILD BROS. & FOSTER (Inc. N.Y.)
New York and 65 Holborn Viaduct, London, E.C.1
Agents : **BURROUGHS WELLCOME & CO.**
London, Sydney, Cape Town

A word of caution—
'PRONTOSIL'
TRADE MARK PUERPERIN BRAND

'Prontosil' is a registered trade mark, and when specified on any prescription, the Chemist is legally bound to supply the Original product. Substitutes are liable to give different clinical results from the Original. In order to safeguard doctors and patients we shall protect our Trade Mark rights by vigorous action.

BAYER
BAYER PRODUCTS LTD
AFRICA HOUSE : KINGSWAY : LONDON : W.C.2

S. V. R.
FOR
Write for Prices **TINCTURES**
JAS. BURROUGH LTD. 1 Cale Distillery, LAMBETH, S.E.11 (2)

CHEMICAL FOOD
A customer wrote us that he first used H. A. THOMPSON & SON'S CHEMICAL FOOD 50 years ago, since when he has never been without it and never found it wrong.
WILLOWS, FRANCIS, BUTLER & THOMPSON, LTD.
73, 75 & 89a SHACKLEWELL LANE, LONDON, E.8

OPTICAL TUITION
FOR THE
S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations
Particulars :—
C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.S.
50 HIGH STREET, BARNET, LONDON, N.

"Counter Prescribing"

The age-old right of chemists to 'counter-prescribe' is preserved to them under Sec. 19 (1) (*c*) *of The Pharmacy and Poisons Act*, 1933.

The latest edition of "DISEASES AND REMEDIES" is an invaluable standby in this connexion. It provides a host of tested formulas in accordance with modern medical practice, as well as an alphabetical arrangement of diseases.

It is the Chemists' Guide to modern medical practice.

You can secure a copy of the latest edition by return of post if you send remittance value 7s. 10d. to

The Publisher,
THE CHEMIST AND DRUGGIST
28 Essex Street, Strand, London, W.C.2

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

B/22. Anomin
B/22. Calistone
B/22. Glyfortan
B/21. Melmoth's sodamints
S/21. Nutilis Conc. Derris Ext.
H/23. Servitex tooth brushes

THE
CHEMIST AND DRUGGIST
VOL. CXXVIII March 26, 1938 NO. 3033

CONTENTS

	PAGE
Births	369
Books, New	372
British Pharmaceutical Conference	357
Business Changes	357
Coming Events	369
Company News	364
Correspondence:—	
Letters	381
Miscellaneous Inquiries	382
Deaths	369
Editorial Articles:—	
Chemists' Advertising	371
February's International Trade	371
Too Cold a Shop	372
Evening Meeting in Edinburgh	365
Glyn-Jones Memorial	375
Information Department	370
Irish Notes	360
Legal Reports	363
Machinery Notes	376
Medical Research Report	367
National Pharmaceutical Union Election	368
News in Pictures	361
News of the Week	357
Parliamentary News	372
Personalities	369
Pharmaceutical Society of Northern Ireland:— Council Meeting	366
Recent Research	366
Recent Wills	369
Retrospect	382
Scottish Notes	362
Sunblinds	373
Topical Reflections	362
Trade Marks	369
Trade Notes	368
Trade Report	377
Welsh Notes	360
World Mineral Industries— No. 13	380

Chemists' Advertising

A CORRESPONDENT has sent us a cutting of an advertisement appearing in the lay Press on behalf of the chemists in Huddersfield. This advertisement is what is usually described as of the "reader type," that is to say it tells a story in a way calculated to point a moral. The subject concerns the chemist who supplies a substance, not necessarily a poison but likely to be noxious, in a poison bottle contrasted with the ordinary dealer who hands it out in whatever type of container is available. There is no reflection made on the other retailer, except that the reader is or should be made aware that the chemist is by reason of his training in a better position to safeguard users of any type of noxious substance than is the average retail shopkeeper who has no special training for the job. The story does in fact suggest to the potential purchaser that he is safer in dealing with the chemist and explains the reason.

A different style of pharmaceutical advertising is adopted by a group of chain stores, one of whose slogans infers that the reader is possibly not quite so safe in dealing with an individual chemist. The Press of the country has been drenched with this type of advertising which must measure its success by the degree of doubt engendered in the reader's mind. It would be difficult to convince the person of average intelligence that a qualified chemist employed by a chain store is a whit superior to the individual chemist who either conducts his own business or acts as manager or as a qualified assistant to another qualified chemist. Any claim that pharmacy may have for professional recognition must of necessity be associated with the dispensing of medicines and nothing else. It is unfortunate, therefore, that corporate bodies of chemists should broadcast suggestions which may be taken as derogatory to the individual practitioner of pharmacy in order to increase their trade. This type of advertising which inculcates doubt or fear in the reader's mind is prevalent in many other directions, but it should have no place in so far as advertising pharmacy is concerned. This is a matter which has been before at least one Branch of the Society, and even if the Pharmaceutical Society cannot take direct action, it might be possible to have some measure of control exercised by the Statutory Committee.

A result which may or may not have been foreseen is the establishment of uncertainty among panel patients as to the capability of the chemist who undertakes dispensing for insured contributors under the N.H.I. Acts. It should not be permitted to any individual or company chiefly for the purpose of gain to issue advertisements which in any way could be held to undermine the security for which the pharmacist's qualification stands in the eyes of the public, who are unable to judge of the value of the pharmaceutical service. In this direction the National Pharmaceutical Union should be able to obtain Government support in stopping it so far as insurance dispensing is concerned, since every chemist can be reported on in connexion with his service, his accuracy and the standard of his drugs.

This is a subject on which the views of members of the Pharmaceutical Council seeking election next May might well be invited, and obviously it is a suitable subject for discussion at the delegates' meeting at the British Pharmaceutical Conference to be held in Edinburgh this year.

February's International Trade

THE quieter markets experienced during the second month of this year are reflected in the official Trading Accounts for February. The aggregate of all inwards and outwards traffic shows an excess of over £1,500,000, compared with the corresponding month in 1936, but this is accounted for by an increase of £4,000,000 in our imports and a decline of nearly £2,500,000 in our total exports, which is not entirely satisfactory. The decline in the value of our shipments appears to be due chiefly to substantial declines in textiles of various descriptions, particularly woollens. Machinery was a section that showed a good increase. The main groups to show increases in imports were "Grain and Flour," "Dairy Produce," and "Oils and Fats," chiefly from Empire sources.

All Classes of Merchandise	Imports	Exports of U.K. Goods	Total Exports including Re-exports
	£	£	£
February, 1938 ...	75,738,644	37,528,722	43,056,428
,, 1937 ...	71,712,038	38,572,037	45,499,680
,, 1936 ...	62,268,676	35,110,573	40,761,101
Jan.–Feb. 1938 ...	160,657,428	78,713,565	89,036,404
,, 1937 ...	147,330,758	77,655,637	89,685,498
,, 1936 ...	132,131,413	69,563,198	79,530,245

The figures for the "Chemicals, etc.," group continue to show a good credit balance, but the total trade for the two months is less than in the corresponding period of 1937. Imports of this class of goods are down by about £85,000, while exports and re-exports declined by about £169,500, leaving a credit trade balance for January–February of approximately £1,703,000, compared with £1,850,000 for the same months of 1937.

The chief sources of supply of imports of chemical products during February were: Germany, £242,577; United States of America, £148,756; France, £78,327; Switzerland,

Chemicals, Drugs, Dyes and Colours	February			Jan.–Feb.		
	1938	1937	1936	1938	1937	1936
	£'000	£'000	£'000	£'000	£'000	£'000
Imports	922	961	905	1,985	2,070	1,910
Exports of U.K. manufacture ...	1,669	2,015	1,662	3,605	3,846	3,387
Re-exports ...	44·8	30·5	39·1	83·2	73·9	65·9

£55,085; Canada, £44,050; and Belgium, £41,133. The chief Empire destinations of our exports were: India, £231,812; Australia, £127,771; South Africa, £101,009; Irish Free State, £86,752; New Zealand, £66,083; British Malaya, £66,083; and Canada, £62,408. The leading foreign buyers were: France, £74,584; United States of America, £86,474; Argentine, £58,200; Holland, £37,453; Greece, £37,129; Spain, £33,945; and Denmark, £32,571.

Too Cold a Shop

WHAT is described as the first case of its kind under the Shops Acts, 1934, has been heard at Grays (Essex) Petty Sessions when a firm of bakers was fined £1 for failing to maintain a reasonable temperature in their shop. The Council had decided that a reasonable minimum temperature for food shops was 45° F. A gas heater had been installed, but the shop door was kept open. An inspector, who took the temperature of the shop on two days found that they were 38° and 41° respectively. A partner in the firm stated that his employees had not complained, and the doors could be shut if they wanted them shut in the slack periods; if kept shut at other times it would be harmful to the business. The magistrate expressed the opinion that the minimum temperature set by the Council was too low.

This Act is apt to be forgotten among the multitudinous laws which beset the pharmacist, yet obviously he also must conform to the requirements of the Act which, it has to be said, are particularly indefinite. According to the Act, suitable and sufficient means of heating is required in every shop, and no indication is given of what are suitable and sufficient means. As was pointed out in THE CHEMIST AND DRUGGIST (November 28, 1936, p. 613), the heating requirement was included apparently to ensure healthy and comfortable conditions for employees, and it was not concerned with the well-being of the customer. The difficulty is to decide what are comfortable conditions, and although the employer as well as the employee may have their opinion, apparently the Council can decide what in their view is a reasonable temperature, and it would be interesting to know what would be a reasonable temperature for a chemist's shop.

Parliamentary News

AIR-RAID PRECAUTIONS (INCOME TAX)

Mr. Simmonds asked the Chancellor of the Exchequer, on March 18, whether he can now make any statement regarding income-tax allowances in connection with expenditure upon air-raid precautions schemes?

Sir John Simon, in a written answer, said: The question of the extent to which expenditure on air-raid precautions may be admissible as a deduction in computing trading profits for Income Tax purposes is primarily one for the respective bodies of Income Tax Commissioners, to be determined in accordance with the provisions of the Income Tax Acts. So far as the Board of Inland Revenue are concerned, the treatment which, in their view, would be appropriate to the various classes of expenditure which a trader might incur is indicated below. It will be appreciated that it is not possible on such a subject-matter to give more than general outlines: the particular application will depend upon the particular facts of different cases.

1. Expenditure on such items as the following would be deductible:—

(*a*) civilian duty and service respirators;

(*b*) protective clothing for staff engaged on air-raid precautionary duties;

(*c*) the training of employees in such duties;

(*d*) covering of glass with wire netting;

(*e*) dark blinds, screens and paint to render windows opaque;

(*f*) equipment and stores for first-aid parties;

(*g*) equipment of decontamination squads.

2. A wear and tear allowance would be due in respect of equipment in the nature of plant and machinery, such as fire appliances and air filtration plant.

3. No deduction would be allowable in respect of expenditure of a capital nature, for example, expenditure which results in the physical alteration of, or in the incorporation of additions to, the structure of the trading premises. The Board, however, would not be disposed to regard as within this category expenditure on items such as steel shutters for protection of windows or timber frames and screens to provide air locks at doors or windows, which are not part of the permanent structure but represent fixtures or fittings required and used only for the emergency, and they would not object if the Commissioners allowed deduction of such expenditure.

New Books

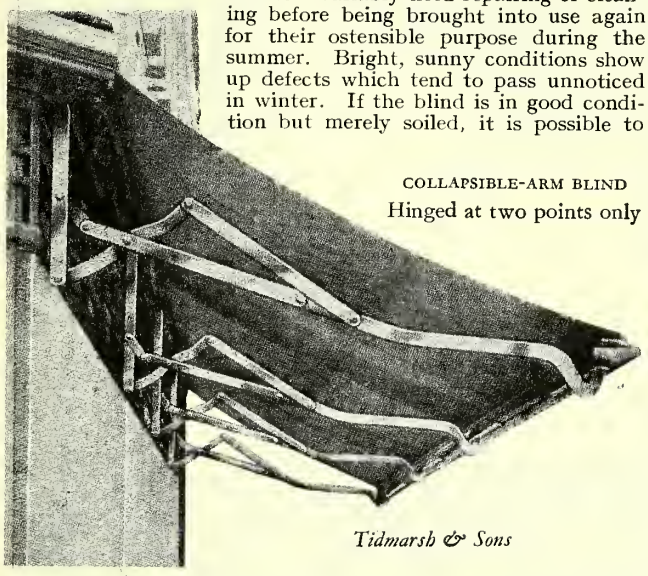
Heilbron, I. M.—*Dictionary of Organic Compounds.* 8 in. by 10¾ in. Pp. 943. £6 6s. Eyre & Spottiswoode, Publishers, Ltd., 6 Great New Street, London, E.C.4. [The third and final volume of this work has been recently published. It contains the monographs on organic compounds beginning with Naphthacarbazole and concluding with Zygadenine. There are nearly 100 pages more than were contained in Vol. II (see *C. & D.*, October 31, 1936, p. 485). It is satisfactory to note that revised volumes of this most useful dictionary will be issued at regular intervals, volume by volume.]

Milks, H. J.—*Veterinary Pharmacology, Materia Medica and Therapeutics.* 9 in. by 6 in. Pp. 582, with 32 illustrations. 30s. Baillière, Tindals and Cox, 7 and 8 Henrietta Street, Covent Garden, London, W.C.2. [This, the third edition of this practical text-book, has been made to conform with the U.S.P. XI and for the first time drugs and compounds of the National Formulary (VI) of interest to veterinarians have been included. New sections have been added on the treatment of heart worms, the vitamins and insecticides. Other sections have been largely rewritten and the chapter on Veterinary Biologies has been revised by Dr. Eichhorn. Many of the newer drugs used in treatment have been added. The general plan of the book remains unchanged.]

Acts Regulating the Sale of Poisons and the Practice of Pharmacy. The Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin. Pp. 220+viii. 7½ in. by 5 in. 5s. [This publication by the Pharmaceutical Society of Ireland presents the law relating to pharmacy in a form which will be greatly appreciated not only by the licentiates but by everyone connected with the drug trade in Ireland. Some of the information was formerly available in the Society's "Calendar," but the recent Statutory Rules and Orders made under the D.D. Act, 1934, have rendered co-ordination necessary to facilitate keeping within the law. In addition to these matters the volume includes "Pharmacopœia Act, 1931"; Medical "Registration Council Notice"; "Exemption from Jury Service—Counsel's Opinion"; "Certificate in Practical Pharmacy"; "Chemistry (Day) Course in the Society's Schools"; "Naval Hospital Dispenserships." Blank pages are provided at the end for recording notes on future changes in legislation. The compilation is the work of the Society's Registrar (Mr. J. J. Kerr), who has accomplished a difficult task exceedingly well.]

Sunblinds

AWNINGS used on shop-fronts are invariably known as sunblinds, although more often than not they are also made to serve the purpose of "rain-blinds," and thus subjected to considerably harder wear than that for which they were originally intended. Constant soakings and frequent failure to allow the fabric to dry thoroughly before putting up the blind have the effect of rotting the canvas and considerably shortening its life. Sunblinds which have been subjected to this kind of treatment (however justifiably) during the winter almost invariably need repairing or cleaning before being brought into use again for their ostensible purpose during the summer. Bright, sunny conditions show up defects which tend to pass unnoticed in winter. If the blind is in good condition but merely soiled, it is possible to have the material cleaned in position at relatively small cost. One firm of blind makers offers a cleaning service, by means of which the blind is smartened up without removal and without interruption of trade. This is accomplished by two men, operating a vacuum-cleaning plant on a van. The compact suction outfit is equipped with two flexible pipes, at the end of each of which is a nozzle. One man takes the larger nozzle and passes it over the blind surface, its brush dislodging the surface dirt. The second man follows with a smaller nozzle which draws the finer particles of dust from the texture of the fabric. Fine grit, embedded in the canvas, tends to wear the threads by friction; its periodical removal in this way considerably extends the life of the blind. Between one and two hours are needed to clean a blind of average size in this way, so that an early-closing afternoon is the most suitable time for carrying out the operation.



COLLAPSIBLE-ARM BLIND
Hinged at two points only

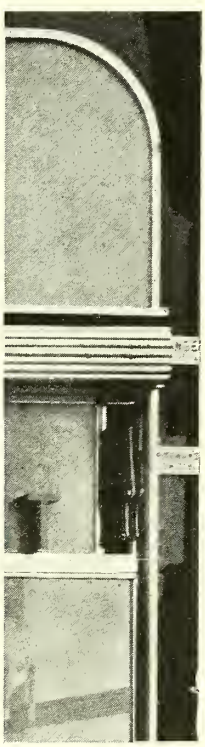
Tidmarsh & Sons

Sunblind Materials

Several different kinds of sailcloth and canvas are used for sunblinds. A popular variety is white duck sailcloth (18 oz. or 21 oz.). Others are pure flax, cotton duck, and what are known as striped ticks. Some fabrics are impregnated with starch or size, but with the better-quality yarns (three-fold warp and five-fold weft) this is generally unnecessary. Material in green, brown or khaki shades, which has been subjected to a "cuprammonium" process, was introduced for the purpose some years ago, but has never come into extensive use on shop-fronts. This is a rot-proof canvas similar to that employed for tents and camp-beds for tropical use. The process of rot-proofing which it undergoes resulted from the discovery that vegetable fibres, when treated with metallic copper in solution, were converted to a jelly-like form of pure cellulose, which, when dry, formed a tough parchment-like substance insoluble in water. The action of this copper solution upon woven fabrics was to dissolve the surface hairs or fibres, and to precipitate the solution thus formed in the interstices of the fabric. Fabric thus treated has, after drying, a smooth, glossy surface of blue-green colour. The proofing substance forms an integral part of the cloth itself without affecting its weight. During the last three years brightly coloured sunblinds have become popular. Previously, coloured fabrics were avoided owing to their tendency to fade after a few months of exposure. By a special process of manufacture, and the use of selected dyes, the colour can now be made less susceptible to fading through exposure. The material is yarn-dyed, and the fabric absorbs the dye before it is woven. This year a new surface treatment has been introduced for colouring and simultaneously waterproofing sunblind fabrics that ensures, it is claimed, a brighter and more durable colour at less cost than the yarn-dyed fabrics. This fabric, known as Duratex, can be washed with sponge and water, and is obtainable in a range of striped patterns. The makers recommend a plain colour such as fawn or grey for the under-surface, because this reduces reflection in the window. One sunblind maker is producing rubber-fabric blinds, comprising two layers of rubber with a layer of Egyptian cotton between them. Advantages claimed for blinds of this material are that they can be rolled up wet without deteriorating, that lettering painted on them can be cleaned off with petrol (so that names or announcements can be changed at will), and that they can easily be kept clean. Coloured blinds have many advantages over drab. They lend distinction and a touch of gaiety to the shop-front more in keeping with bright spring and summer weather. Practically any colour or combination of colours can be obtained, and it becomes easy to exploit the publicity value of colour by having wrappings, stationery, labels, price tickets and showcards printed in the same shades as those used for the blind.

Blind Arms

There are many kinds of blind arms. Some of the makers claim that, for efficiency, it is impossible to improve upon the straightforward bar of iron fixed to a side member of the shop-front. These arms project horizontally when the blind is in use, and take up a vertical position when it is returned to the box. In their favour it may be said that they are the simplest and most durable type of sunblind support, not involving the use of any elaborate mechanism, and obviating upkeep costs as well as the need for frequent overhauls. Points against them are that they are bulky, clumsy and unsuited to the clean-cut lines and relatively light construction of the modern shop-front; that small boys are tempted to swing on them; and that they can be neither concealed nor disguised. The plain arms operate on hinges or sliding bars, the latter being necessary with low-fixed blind boxes to give sufficient head-clearance when the blind is extended.

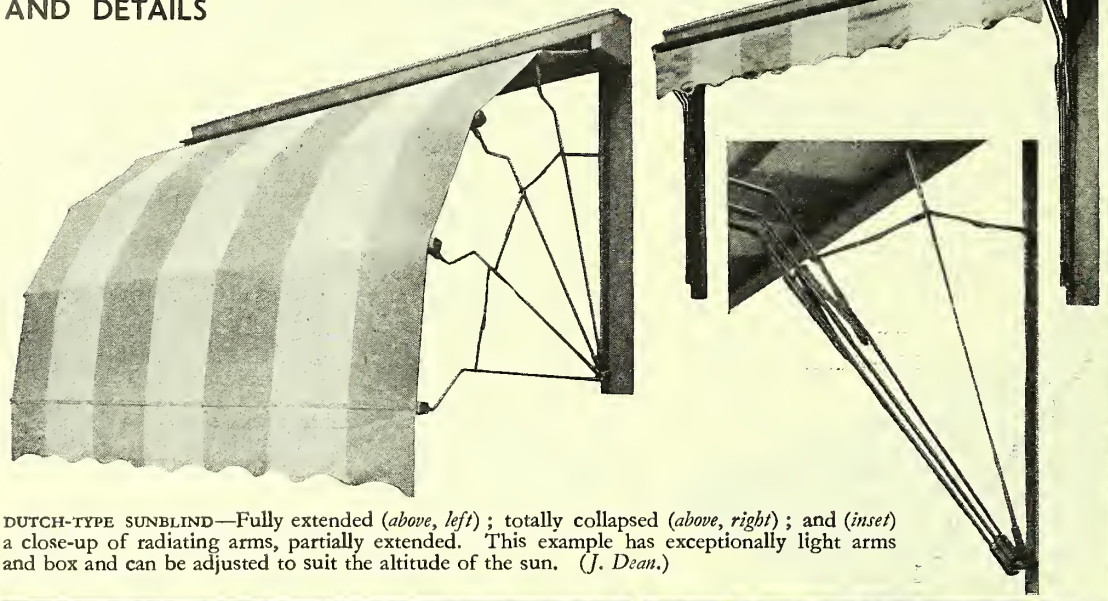


Provision for trellis arm in special recess

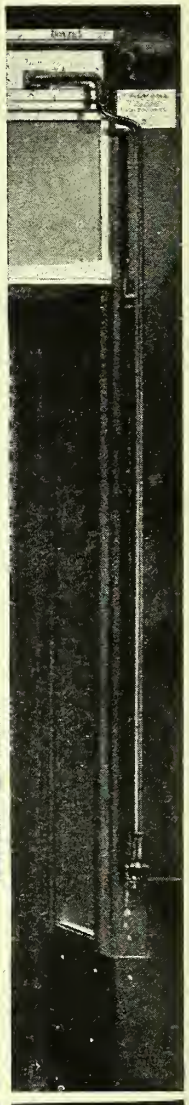
Trellis or lattice arms are extensively used to-day. Preferably these collapse into recesses at either end of the over-transom glazing (see illustration), thus obviating unsightly projections when the blind is put up. It is seldom possible to adapt existing shop-fronts to give this total disappearance from view, but the method is worth noting by chemists contemplating inserting new shop-fronts. The alternative method is to collapse the arm in the manner shown on p. 374. A fitting, which is regarded by many makers as an improvement on the lattice arm is the one shown in column one. This is hinged at two points only, and is a compromise between the lattice type and the ordinary straight horizontal iron. It is supplied in mild steel with painted or bronzed finish, or in solid bronze or stainless steel. From the purely æsthetic point of view, the most desirable blind arm is one which disappears altogether from sight when the blind is up. There are two types, and of these—the more satisfactory—is the telescopic arm which slides into a recess over the window simultaneously with the return of the blind to its box. For the average pharmacy this might be considered too costly, but where a fair amount of money has

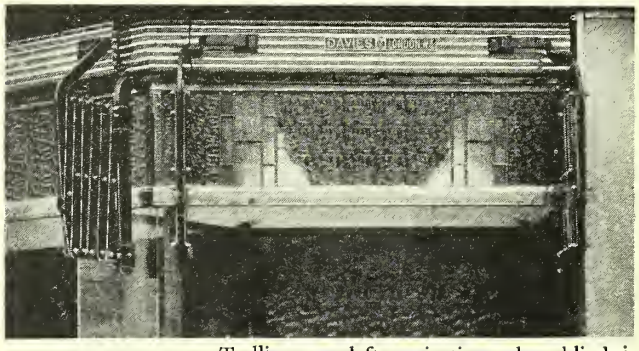
Sunblind Varieties

AND DETAILS

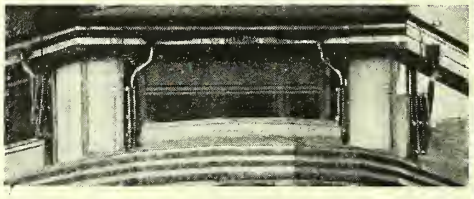


DUTCH-TYPE SUNBLIND—Fully extended (*above, left*); totally collapsed (*above, right*); and (*inset*) a close-up of radiating arms, partially extended. This example has exceptionally light arms and box and can be adjusted to suit the altitude of the sun. (*J. Dean.*)



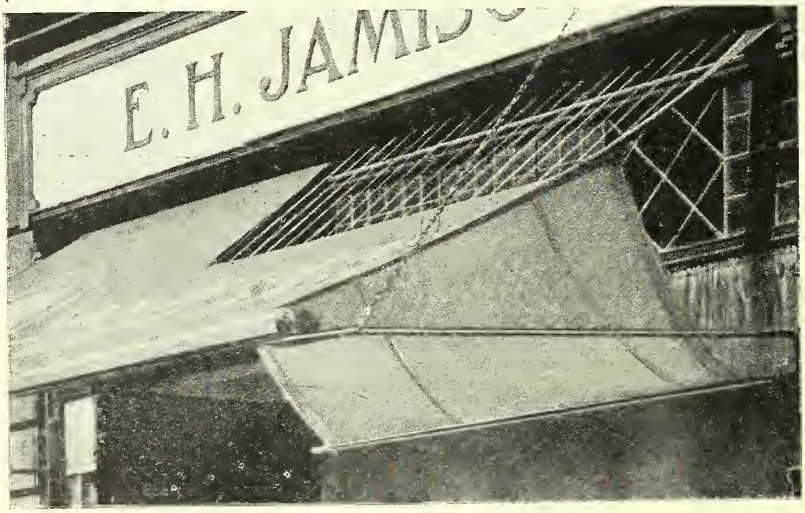


TRELLIS-ARM BLIND—Trellis arms left projecting when blind is collapsed. Blind lath ribbed as part of the design of the shopfront. (*A. Davies & Co. (Shopfitters), Ltd.*)

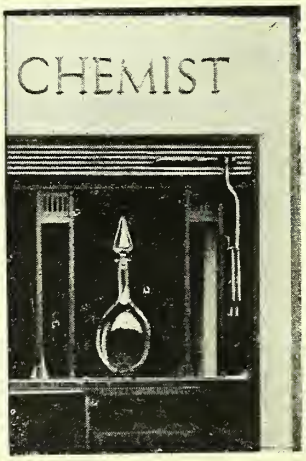


(*Above*) TRELLIS-ARM BLIND — Trellis arms partially recessed into slots provided in the over-transom and thus kept within the facia line when blind is not in use. (*Craftinwood, Ltd.*)

(*Right*) STRAIGHT-ARM BLIND — A neat example of this type of blind. The arm slides up on a fixed bar to give the necessary clearance when the blind is lowered. (*A. Davies & Co. (Shopfitters), Ltd.*)



"REFLECTOPLAN" BLIND—Half the upper portion of the blind is sloped inwards to admit light into the shop. In rolling-up, the backward-sloping portion is drawn in upon the wires shown. (*Artistic Blind Co., Ltd.*)



(*Above, left*) TRELLIS-ARM BLIND — The arms collapse into recesses in the over-transom. (*S. Maw, Son & Sons, Ltd.*)

(*Above, right*) TRELLIS-ARM BLIND — Arms fully exposed but partially protected from weather by over-hanging facia. (*Davies.*)

been laid out on the shop-front, the additional cost of disappearing arms is well worth while. The other type has single knuckle joints which fold away into the box with the spring roller and rolled canvas. When the blind is in use they project at the same angle as the canvas and are thus kept practically out of sight. Unfortunately, these are not yet a practical proposition for the small chemist, for, apart from extra cost, they throw considerable strain on the top portion of the shop-front and necessitate the use of larger boxes. Dutch blinds have seldom been seen in use on shop-fronts in this country. One of their drawbacks has been their heavy frames which have offset their picturesque appearance with cumbersome woodwork. A new type has been introduced this season with metal arms and a less conspicuous box, and the new blind has the added advantage that the position of the blind can be adjusted to suit the altitude of the sun, the radiating arms being hooked up by means of the single-jointed connecting pieces (see p. 374).

Glazing Requirements

The introduction of special glazing for the top of the shopfront to ensure maximum daylight for the interior (*C. & D.*, January 1, p. 9, and March 5, p. 275) naturally affects the shape of sunblinds and the method of fixing. Where this compound glass is used for the overtransom portion of the shop-front it is necessary either to project the sunblind from the transom so that it provides shade for shoppers and protection for merchandise displayed in the window without interrupting the flow of light into the shop, or else to use a blind of special design, known as the Reflectoplan. This has the upper portion of the canvas cut away and lowered to fall at approximately right angles to the remaining portion, thus acting as reflector. The lower edge of the portion sloping towards the window is clipped to a metal gutter fixed on the transom or, if below that level, to the two side frames of the window, so that it is kept flush to the plate-glass. This prevents rain from trickling through on to shoppers' heads. When the blind is rolled up this portion of the canvas is drawn into the box by phosphor-bronze wires. A patent is pending on a shop-front specially designed to take blinds of this type.

Another method of preventing the fading of merchandise is to fit a blind of transparent material inside the window immediately behind the plate-glass. Rhodialine yellow-toned cellulose-acetate film (*C. & D.*, February 5, p. 163) is supplied for this purpose. This material prevents the ultra-violet rays of the sun which, though invisible, have a damaging effect, from penetrating into the window. These blinds operate on rollers in the same way as ordinary inside window blinds. The material is washable and non-inflammable. Blinds of this description are generally used as auxiliaries to, rather than as substitutes for, outside blinds. The accompanying chart shows the degree of penetration of ultra-violet rays when this film is used, when ordinary glass is used, and when no filter of any type is employed.

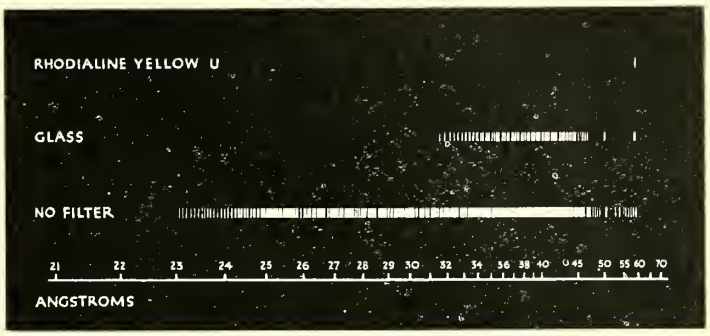


Diagram showing relative penetration of ultra-violet light through Rhodialine yellow-U film and glass.

Glyn-Jones Memorial Fund

THE following are extracts from the report for 1937 of the trustees of the Glyn-Jones Memorial Fund, Messrs. D. Lloyd Howard, H. E. Chapman, H. N. Linstead, and G. A. Mallinson:—

When the Trustees published their report a year ago they had just received a promise of £200 a year for the next five years from the Trustees of the late Lord Leverhulme and a promise of a similar amount from the Council of the Proprietary Articles Trade Association. These generous gifts added to the original income of £200 a year from the fund have trebled the amount of money the Trustees have at their disposal to disburse in accordance with the terms of the Trust "towards the support and education of necessitous young persons or orphans connected in any way with pharmacy" or "to use any portion of the surplus income for the higher pharmaceutical education of any persons approved by them in any way in which they may in their sole discretion decide." Hitherto the calls upon the limited income of £200 have been such that there has never been any surplus available for helping people beyond the Chemist and Druggist qualification. With the added income, not only have the trustees been able to help twenty applicants this year—four more than the total number helped in the previous three years—but they have been able to make a grant towards the "higher pharmaceutical education" of one candidate who had obtained a University Studentship but would have been unable to take advantage of it owing to lack of funds.

Although the Trustees have no hard and fast rule for the selection of candidates, they generally work on the principle that it is better to give substantial help to a few rather than small amounts to many. They prefer to help those who appear to have made some effort to help themselves and who have, if possible, passed the Preliminary Scientific examination; and those older candidates who, gradually losing hope of qualifying, may drift into the ranks of the unqualified.

The Trustees pay tribute to those pharmacists who have helped them in their investigations, often at considerable personal inconvenience. They have with the greatest discretion and delicacy made inquiries which have been of the utmost help to the Trustees in coming to a decision. They cannot of course be mentioned by name, but the Trustees feel that the valuable social work they have done so willingly cannot pass without comment. The grants made during the year amount to £639 14s., and to those who act as almoners in administering them the thanks of the Trustees are due.

Applications for Grants

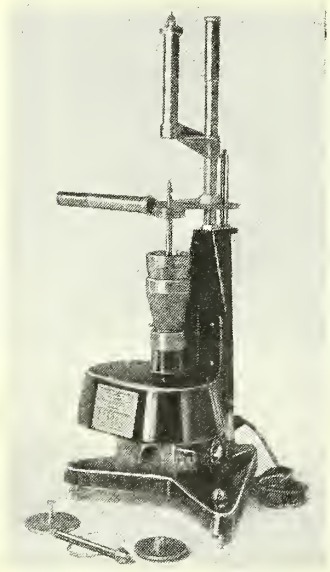
The trustees of the Fund give notice that in May they will be in a position to consider applications for assistance. The objects of the Fund, which was founded in 1927 in memory of the late Sir William Glyn-Jones, are to assist towards the education and support of "necessitous young persons or orphans connected with pharmacy," or towards the higher pharmaceutical education of such students as are approved by the trustees. Applications will be considered for grants towards school fees or maintenance and applicants will be required to disclose to the trustees full details of their financial resources on the understanding that such information is regarded as private and confidential. Candidates should write for application forms to the Secretary of the Trustees, Glyn-Jones Memorial Fund, 17 Bloomsbury Square, W.C.1. No application will be considered after April 30.

TEST FOR VITAMIN C DEFICIENCY.—Details of an intradermal test for a rough indication of the vitamin C content of body tissues are described by Portnoy and Wilkinson in the "Lancet," February 12, 1938, p. 328. The test makes use of the fact that 2:6-dichlorphenolindophenol is decolorised in the tissues at a rate which is proportional to the amount of ascorbic acid present. It is concluded from the observations of these workers that when decolorisation takes place in less than five minutes the system of the patient is saturated with vitamin C, while if ten minutes or longer is taken for the reaction a deficiency is indicated.

Machinery Notes

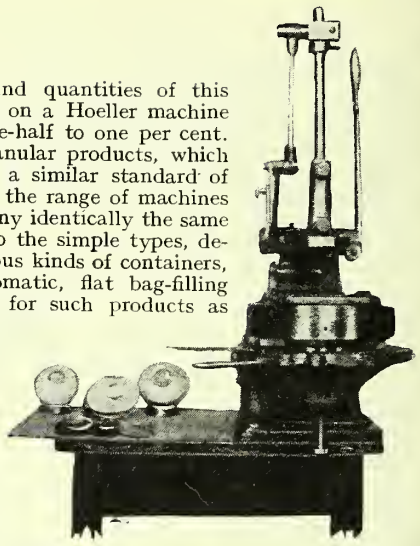
UNIT PUMPS.—Pump Unit, Ltd., London, have designed oil-hydraulic unit pumps for individual supply of hydraulic pressure in low and high degrees.

MEASUREMENT OF THIXOTROPY.—The property exhibited by certain substances of becoming fluid when shaken or milled, then later becoming solid again on standing, is known as thixotropy or thixotropism. The differences in the two viscosities can be quantitatively determined by an instrument recently introduced by Griffin & Tatlock, Ltd., known as the Goodeve thixoviscometer. It can be employed in connexion with ointment, cosmetic, beef extract and other investigations. In the instrument illustrated the rotation of an outer vessel produces on a coaxially suspended body a torque depending upon the resistance to the flow of the contained liquid. By making the outer vessel and the suspended body in the shape of cones it is possible to adjust the rate of shear to any value over a wide range. The apparent viscosity of most colloidal solutions decreases as the shear is increased and builds up again when the solution is allowed to stand. When such solutions are placed in this instrument a steady state is rapidly set up and readings over a range of shear can be taken in a short time.



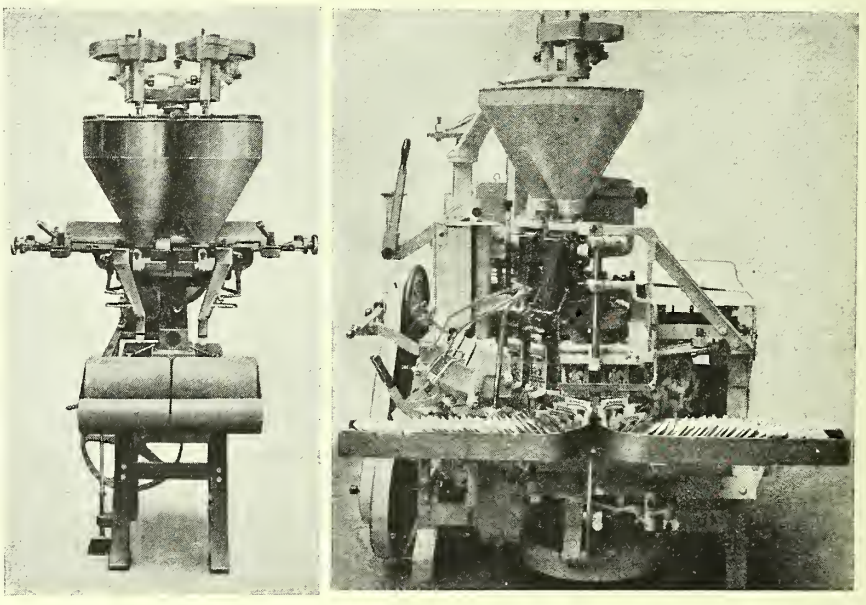
Goodeve Thixoviscometer

MEASURING OR WEIGHING IN POWDER FILLING?—From time to time the question is raised whether a volumetric measuring machine for powder or granular products can give the same guarantee of accuracy as a machine which actually incorporates weighing mechanism. Experience indicates that the system adopted in the latest types of volume filling machines is not only reliable but in many cases the only suitable method. This applies particularly in the filling of small quantities, when continuously accurate results are claimed to be obtained only on a measuring machine. For large quantities, special arrangements are made to enable a measuring machine to present the same degree of accuracy as weighing machines. From the user's point of view the measuring is simpler than the weighing machine, and can be constructed much more solidly, because weighing mechanism is necessarily sensitive. The accuracy of weighers can, in fact, easily be affected by jolt or vibration, whilst dust may cause clogging of the sensitive parts. Construction also influences the cost of the machine, with the result that the price of the measuring machine can be maintained at a low level, with negligible maintenance costs. Gebr. Hoeller, Bergisch Gladbach, Germany, who have had over twenty-five years' experience in constructing powder-measuring apparatus and have supplied a large number of their machines for use in all parts of the world, assert that the old prejudice that measuring machines could not be guaranteed for perfect work is obsolete. A special attachment, fitted only to Hoeller machines, enables accurate work to be carried out with the most difficult materials, such as cocoa (a fatty powder). Half-pound quantities of this powder are measured on a Hoeller machine to an accuracy of one-half to one per cent. per filling. With granular products, which are easier to handle, a similar standard of accuracy applies. In the range of machines offered by this company identically the same mechanism is fitted to the simple types, designed for filling various kinds of containers, as to the fully automatic, flat bag-filling and sealing-machines for such products as shampoo powders. The Benhil Machinery Company, Ltd., who market these machines in the United Kingdom, offer to make tests with difficult materials on any of the Hoeller machines.



PLEATING MACHINE FOR TRANSPARENT WRAPPINGS. — A machine for finishing the transparent wrappings of round objects in a pleated formation to be sealed with a small round label is marketed by Charles E. Douglas & Co., London. The machine, which is of German origin, incorporates a shaped die to form the pleats and a mechanism similar to the diaphragm of a camera for drawing the pleats together preparatory to applying the label. The appearance of the pleating is as shown above.

Pleating machine (above) *and example of finished wrapping.*



Benhil simple filling machine (left) *and fully automatic filling and sealing machine, each with double output of* 120 *packets per minute.*

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, March 24

CONDITIONS IN MOST markets continue quiet, but there has been a little more domestic trade moving and the general tone is certainly steadier. The consuming demand is still chiefly restricted to moderate quantities for immediate requirements. Quoted prices are keeping surprisingly steady and there are but few price changes of importance to record this week. The further break in the French franc is not affecting markets, as most products from that source are quoted either in American dollars or sterling. The PHARMACEUTICAL CHEMICAL markets have done a limited routine trade and quoted prices are generally maintained, although one or two products are becoming unsteady. Makers of STRYCHNINE SALTS are holding the market at the recent reductions. EPHEDRINE HYDROCHLORIDE, B.P., is steady, but in quiet demand.

Crude Drugs

The trade in these commodities continues generally quiet, with a little improvement in turnover this week. The steady tone in the majority of products is a feature. The dearer shipment quotations for new crop AGAR are being steadily maintained. ALOES have been very quiet, but values are fully steady. Shipment quotations at slightly lower prices have so far failed to attract much business for new crop BUCHU. The recent sharp reductions in shipment prices for Aleppy green CARDAMOMS has been followed by a recovery this week. Rather more spot business in CASCARA SAGRADA this week. DESICCATED COCONUT is again slightly cheaper. Bergen reports better fishing results from Lofoten, but the crop of COD-LIVER OIL is still below average. Cheap offers of COLOCYNTH PULP continue on spot. DERRIS ROOT is quite neglected. Sudan GUM ACACIA shows no improvement in demand and remains at cheap prices. Prices for Matto Grosso IPECACUANHA tend to ease off a little. Business in Japanese MENTHOL has been slow this week; quoted steadily. Cochin NUX VOMICA is offering on spot at attractive prices. PEPPERS are slightly cheaper on the week. Fair amount of small business in RHUBARB on a steady market. RUBBER shows a further decline on a slow market. New crop Alexandrian SENNA pods are available. SHELLAC shows a recovery and closes steadier.

Essential Oils

The tone is quiet but fairly steady in these markets, with business mostly in very moderate quantities. ANISE (STAR) shows a decline on the week both on spot and for shipment. The Consortium price for BERGAMOT is unchanged; rather more spot business reported. The demand for CASSIA is still disappointing, but spot values are steady. Java CITRONELLA shows a slight decline for shipment and the market is dull. Australian EUCALYPTUS continues to be quoted for shipment at keen prices. Bourbon GERANIUM, after reaching very low prices, shows a good recovery and closes much steadier. Sicilian hand-pressed LEMON has had a poor week; inquiry for shipment of new crop oil has been quiet, and quotations from the source are cheaper. There is no further news regarding the proposed formation of a Consortium. LEMONGRASS has been idle. There seems to have been very little business moving in the shipment market for French Guinea ORANGE. Japanese PEPPERMINT has sold quietly on spot and afloat, with the market keeping about steady. PETITGRAIN is quoted cheaper for shipment.

A Drug Auction will be held at the Commercial Sale Rooms on Thursday next, March 31.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	March 17	March 24
Amsterdam	Fls. to £	12·107	8·08	8·07½
Berlin	Mks. to £	20·43	12·38	12·37
Brussels	Belgas to £	nominal	29·54	29·50
Copenhagen ...	Kr. to £	18·159	22·40	22·40
Lisbon	Esc. to £	110	110⅛	110¼
Madrid	Ptas. to £	25·24½	nominal	nominal
Milan	Lire to £	92·46	94½	94⅜
Montreal	Dols. to £	4·86⅜	4·98	4·98½
New York	Dols. to £	nominal	4·97	4·96½
Oslo	Kr. to £	18·159	19·90	19·90
Paris	Fr. to £	124·21	160–164	162–163
Prague	Kr. to £	164·25	142	142
Stockholm	Kr. to £	18·150	19·40	19·40
Warsaw	Zloty to £	43·38	26½	26⅜
Zurich	Fr. to £	25·2115	21·63	21·64

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

BUSINESS has been on a rather better scale this week, and the general tone is much steadier. Makers' quotations show no change of importance.

ASPIRIN (TABLETS).—The following are agreed wholesale prices for the British makers: Under 5,000, 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; 2,000,000 and over, 2s. 2d. per thousand tablets. A rebate of 1d. per 1,000 is allowed on orders for 10 million tablets taken over a period of 12 months. For small quantities higher prices would be asked by wholesale distributors.

BARBITONE.—Market is dull and irregular: two cwt., 8s. 11d.; 56 lb., 9s. 2d.; less than 56 lb., 9s. 5d. per lb., ex store, London.

BENZOIC ACID (B.P.).—Rather dull, quoted unchanged; quantities, ex works, 1s. 9d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' prices show no change on quotation; carbonate, B.P., not less than one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; 4 lb., 8s.; less than 4 lb., 8s. 6d. per lb., with rebates on contracts for larger quantities.

BROMIDES.—Makers' scale of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained, as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Market is quiet: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scales for Continental material, duty paid, in 5-lb. tins, are as follows:—Pure alkaloid, two cwt., 8s. 10d.; one cwt., 9s. 0¼d.; 56 lb., 9s. 2¼d.; less than 56 lb., 9s. 4¼d. per lb. Citrate, two cwt., 5s. 11¾d.; one cwt., 6s. 0¾d.; 56 lb., 6s. 1¾d.; less than 56 lb., 6s. 2¾d. per lb. Soda sal., two cwt., 6s. 2¾d.; one cwt., 6s. 3d.; 56 lb., 6s. 4¾d.; less than 56 lb., 6s. 5¾d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d.

CALCIUM LACTATE.—Quoted unchanged: one cwt., 1s. 0¾d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—Home makers' scale of prices steady: duty-paid crystals in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars one penny per lb. extra.

CHLOROFORM.—Makers' prices steady: two cwt., 2s. 5½d. per lb.; one cwt., 2s. 6d.; 56 lb., 2s. 6½d.; less, 2s. 7½d. per lb., in w-quarts of 8 lb. Packed in drums ½d. per lb. less. Small bottles extra, from 5d. per lb. for ¼-lb. bottles to 1d. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

CITRATES.—Makers' prices for POTASSIUM CITRATE are as follows:—

	1 lb. bts. or tins	2 lb. bts. or tins	4 lb. bts. or tins	7 lb. bts., tins or jars	14 lb. bts., tins or jars	28 lb. tins free
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	2 2	2 0½	—	—	—	—
4 lb. and under 7 lb.	2 1	1 11½	1 11¼	—	—	—
7 lb. ,, ,, 14 lb.	2 0	1 10½	1 10½	1 9¾	—	—
14 lb. ,, ,, 28 lb.	1 11	1 9½	1 9½	1 8¾	1 8½	—
28 lb. ,, ,, 1 cwt.	1 10	1 8½	1 8½	1 7¾	1 7½	1 7
1 cwt.	1 8	1 6½	1 6¼	1 5¾	1 5½	1 5

IRON AMMONIUM, B.P., 4d. per lb. extra and SODIUM, B.P., 1d. per lb. extra to the above scales. Terms: Less than one cwt., net, one month; one cwt. and over, net, fourteen days. Tins free, other packages extra, carriage paid.

CITRIC ACID (B.P. CRYSTALS).—Rather more business moving: British material quoted at 1s. 0¼d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CREAM OF TARTAR.—Fair business reported: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Remains dull: bulk quantities, in 25-kilo demijohns, 1s. 6d.; small parcels, 1s. 7½d. up to 2s. per lb., ex store.

EPHEDRINE.—A fair amount of small sized business: Hydrochloride, B.P., quoted at about 12s. 6d. to 13s. per oz. Pure, alkaloid, is quoted at about 16s. 6d. to 17s. per oz.

GALLIC ACID.—Quoted prices are steady: one cwt., 3s.; 56 lb., 3s. 1d.; less than 56 lb., up to 3s. 6d. per lb.

LACTIC ACID (B.P.).—Continues steady, with average business: quantities in carboys, 1s. 4½d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10½d. per lb., as to quantity.

MERCURIALS.—Makers' prices continue at the reduction recently recorded:—

	Less than 28 lb.	Not less than 28 lb.	Not less than 112 lb.
	s. d.	s. d.	s. d.
Ammoniated Lump B.P. (White Precip.) ...	5 10	5 6	5 5
,, Powder B.P.	6 0	5 8	5 7
Bichloride Lump B.P. (Corros. Sub.)	5 1	4 9	4 8
,, Powder B.P.	4 9	4 5	4 4
Chloride B.P. Calomel	5 10	5 6	5 5
Red Oxide Cryst. B.P.C. (Red Precip.) ...	6 11	6 7	6 6
,, Levig B.P.C.	6 5	6 1	6 0
Yellow Oxide B.P.	6 3	5 11	5 10
Persulphate White	6 0	5 8	5 7
Sulphide Black (Hyd. Sulph. cum Sulph. 50%)	5 11	5 7	5 6

Net.—Without engagement. Special prices for larger quantities and for contracts. Assorted salts at bulk quantity prices.

PARALDEHYDE.—Steady at former figures: in carboys, 1s. 2d.; in winchesters, 1s. 5d. to 1s. 6d.; in bottles, 1s. 7½d. to 1s. 10½d. per lb., ex store.

PHENACETIN.—Makers' prices steady, quiet demand: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. to 3s. per lb., as to quantity.

PHENAZONE.—Dull and quoted keenly: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, 7s. 6d. per lb., with powder 2½d. per lb. extra. Quoted duty paid, London.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9¾d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; dihydrochloride, 3s.; hydrobromide, 2s. 8½d.; dihydrobromide, 3s.; valerianate, 3s.; hydrophosphite, 4s.; alkaloid, 3s. 0¾d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

SALICYLIC ACID (B.P.).—Makers' quoted prices are unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0¾d.; 4 lb., 2s. 2½d. per lb.

SALOL.—Not much business moving: spot quotations are keen and in the region of 2s. 3d. to 2s. 7d. per lb., as to quantity.

SANTONIN.—Market is dull, with very cheap prices for actual business in bulk quantities: nominal price remains at £15 per kilo, ex store.

STRYCHNINE.—Makers' prices for home trade and the Empire continue at the reduction recorded last week. The new scales are as follows:—

	Under 100 oz.	100 oz. and under 1,000 oz.	
	Home or f.o.b. British Empire	Home or f.o.b. British Empire	C.i.f. British Empire
	Per oz. s. d.	Per oz. s. d.	Per oz. s. d.
Pure Crystals	1 8	1 7	1 7¾
,, Præcip.	1 7	1 6	1 6¾
Acetate	1 10¾	1 9¾	1 10¼
Arsenate	1 9¾	1 8¾	1 9¼
Arsenite	1 10¼	1 9¼	1 10
Bisulphate...	1 0¾	1 11¾	1 0¼
Hydrochloride	1 4¼	1 3¼	1 4
Hypophosphite	3 4¼	3 3¼	3 4
Nitrate Crystals	1 4¼	1 3¼	1 4
Nitrate Powder	1 4¼	1 3¼	1 4
,, ,, No. 2	1 0¼	0 11¾	1 0
Phosphate	2 1¾	2 0¾	2 1¼
Sulphate Neut. Cryst.	1 2¼	1 1¼	1 2¼
,, ,, Powder ...	1 2¼	1 1¼	1 2¼
,, ,, ,, No. 2 ...	1 0¼	0 11¼	1 0

25-oz. tins free, 1-oz. bottles 2d. each extra. Terms: net, 30 days. Contracts cannot be accepted.

SULPHONAL.—A quiet and keen market: crystals or powder, two cwt., 15s. 5d.; one cwt., 15s. 11d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7½d. per lb.

SULPHANILAMIDE (SULPHONAMIDE).—Makers' prices continue steady at about 12s. 6d. to 14s. per lb., as to quantity.

TARTARIC ACID (B.P. CRYSTALS).—Rather more doing in this product: British makers quote at 1s. 1¼d. per lb., less 5 per cent. discount; dealers offering foreign materials at competitive prices.

THEOBROMINE.—Prices for Continental, pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s. 3¼d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5¼d.; smaller quantities, 6s. 6¼d. per lb., delivered, 5-lb. tins free; smaller packages extra.

THYMOL.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5d.; 14 lb., 10s. 6d. per lb.

VANILLIN.—Convention prices are unchanged: five cwt., 12s. 5d.; one cwt., 12s. 8d.; 56 lb., 13s.; less than 56 lb., 13s. 2d. per lb. Rather more inquiry reported.

Crude Drugs, etc.

AGAR—The general tone continues quiet, with shipment quotations keeping fully steady: spot, Kobe, No. 1, 3s. 1d. to 3s. 2d.; No. 2, 2s. 11d. to 3s. Yokohama, No. 1, 2s. 11d. per lb., shipment; Kobe, No. 1, March-April, 2s. 7d.; July-August, 2s. 7½d.; No. 2, March-April, 2s. 4½d.; Yokohama, No. 1, 2s. 4¾d. per lb., c.i.f.

ALKANET ROOT.—A small spot trade, with dealers quoting at about 45s. per cwt., ex store.

ALOES.—Business has been slow this week, but values are quite steady: Cape, spot, 63s. to 64s.; shipment, about 62s. 6d. per cwt., c.i.f. Curaçao, spot, manufacturing quality, 138s. to 140s.; smooth black, turning, 145s.; livers, from 147s. 6d. to 155s. per cwt.; shipment, nominal, at 140s. per cwt., c.i.f.

ANTIMONY.—Quoted unchanged, market steadier: Chinese, crude, spot, £46; shipment, April-May, £40, c.i.f. English regulus, £81 to £82 per ton, ex store.

BALSAMS.—Values of all descriptions are unchanged, business quiet: *Canada*, if available, on spot, is firm from 7s. 3d. to 7s. 6d.; shipment, 7s. 6d. per lb., c.i.f. *Tolu*, 1s. 8d. *Copaiba*, Para, 1s. 9d. B.P., nominal: *Peru*, 4s. 6d. per lb., spot.

BELLADONNA.—Dealers offering small parcels of root at about 60s. per cwt., and leaves at 57s. 6d.

BENZOIN.—Business of small account: Sumatra, 70s. to 95s. per cwt., as to quality. Siam, medium almonds, £26; bean and pea, £22; pea, £20; grain, £15 per cwt., ex store.

BUCHU.—Conditions in this market are fairly steady, but inquiry for shipment is slow: spot, rounds 1s. 7d. to 1s. 9d., as to quality; ovals, about 1s. 6d. to 1s. 7d. New crop, for shipment, from 1s. 6d. per lb., c.i.f., for bulk quantities. On spot, rather stalky, 1s. 9d. per lb., ex store.

BURDOCK ROOT.—Dealers are quoting small spot parcels at about 42s. 6d. per cwt., ex store.

CAMPHOR.—Market is steady, business quiet: Japanese, spot, tablets, 2s. 6½d.; powder, 2s. 3d.; slabs, 2s. 2½d. per lb., ex store; shipment, tablets, 2s. 3d.; powder, 2s. 1d.; slabs, 2s. 0¾d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ⅓oz. and ¼ oz., 3s. 6d. per lb.

CANTHARIDES.—Market remains dull: Chinese, 2s. 1d. to 2s. 2d., as to quantity; shipment, 1s. 6¾d. per lb., c.i.f.

CARDAMOMS.—Aleppy greens show a recovery in shipment prices, with some business reported: Aleppy, green, spot, about 3s. 6d.; shipment, 2s. 5d. for f.a.q. the season and 2s. 7d. for f.a.q. Bombay seed, spot, 4s. 9d.; shipment, 3s. 4d., c.i.f. Mangalore seed, shipment, 3s. per lb., c.i.f. Prices at the auction for bleached Ceylon were 4d. to 6d. down, with browns and splits selling at 3s. 4d. to 3s. 7d. per lb.

CASCARA SAGRADA.—A fair amount of smallish spot business moving, with values keeping steady: 1937 peel, 54s. to 55s.; old peel, 65s. to 70s. per cwt., ex store. The large parcel for shipment, for which bids in the region of 44s., c.i.f., are asked, is still available, with off bids rejected.

CASSIA FISTULA.—Dealers are quoting spot at about 32s. 6d. per cwt. for small lots.

CHAMOMILES.—Dealers are offering white flowers from 170s., and second quality are at about 120s. per cwt.

CLOVES.—Values are maintained on a quiet market: Zanzibar, spot, 8¼d.; shipment, March-May, 8 7/16d. per lb., c.i.f. Madagascar, in bond, 7d.; shipment, March-May, 6⅞d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended March 19 were 304 and the deliveries 104, leaving a stock of 926. From January 1 to date the landings of Zanzibar have been 314 and the deliveries 457. Landings of Madagascar for the week ended March 19 were 256, and the deliveries 43, leaving a stock of 1,764. From January 1 to date the landings of Madagascar have been 345 and the deliveries 671 packages.

COCOA BUTTER.—Moderate business reported: prime English, 9¾d. to 10½d. per lb.; foreign, 8¾d. to 10d. per lb., as to quantity and quality.

COCONUT (DESICCATED).—Business has been quiet and values are slighty cheaper: spot, fine, 18s.; medium, 17s. 6d. per cwt.; shipment, halves, March-April, 16s. 6d.; May, 16s. 9d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports that with favourable weather Lofoten fishing results have improved. To March 21: 61,323 tons of cod and 27,263 hectol. of oil, compared with 75,596 tons of cod

and 39,528 hectol. of oil on the same date in 1937, and 52,331 tons of cod and 27,296 hectol. of oil in 1936. Shipment market remains dull: finest Lofoten steam refined non-freezing medicinal oil, 91s. to 92s. per barrel, c.i.f., London. Small lots, on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

COLCHICUM.—Market has been dull: spot supplies quoted from 50s. to 52s. 6d. per cwt. Seed, 1s. per lb.

ERGOT.—Inquiry for shipment is slow, with offers of Spanish-Portuguese rather easy at 3s. 9d., c.i.f. Spot parcels from 4s. 1½d. to 4s. 3d. per lb., ex store.

GAMBOGE.—Siam pipe is quoted on spot at £13 to £13 10s. per cwt., as to quality, duty paid.

GENTIAN.—Limited spot demand at steady prices: good clean French, 42s. 6d.; and Continental, 40s. per cwt., ex store.

GINGER.—Values for West African are again slightly easier ; market quiet: West African, spot, 40s.; shipment, for arrival, 31s. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 82s. 6d. to 85s.; small grinding, in bags, 60s. to 62s. 6d. per cwt., c.i.f.

GUM ACACIA.—No improvement in business, with prices remaining at low levels: Kordofan, cleaned sorts, spot, 41s.; shipment, 37s. per cwt., c.i.f.

Exports from the Sudan during January 1938, totalled 1,938 tons, compared with 2,112 tons in January, 1937.

HENBANE.—Market is easier, with dealers quoting from 72s. 6d. per cwt., ex store, for small spot parcels.

HENNA.—Small spot demand only: Egyptian, green, 31s.; brown, about 27s. 6d. per cwt., for fair qualities.

HONEY.—The demand continues quiet, with all descriptions quoted unchanged on the week. It is possible a bid slightly off would be accepted for Jamaican dark manufacturing grade. Dark manufacturing, 32s. 6d. up to 47s. for pale set. Californian is held for 50s., duty paid, and any Canadian is steady at 55s. per cwt., ex store.

HYDRASTIS.—Small spot business only recorded: spot, 15s. to 15s. 3d.; shipment, 15s. per lb., c.i.f.

IPECACUANHA.—Not much demand, and quoted prices are barely steady: Matto Grosso, B.P., spot, 7s. 6d.; shipment, about 7s. per lb., c.i.f.

MENTHOL.—The demand has been generally quiet this week: K/S brands, spot, 12s. 6d. to 12s. 9d.; afloat, 11s., c.i.f. Japanese shippers quote April-May, 11s. 3d. and June-July, 11s. 4½d. per lb., c.i.f. Resellers of January-March, at 11s. per lb., c.i.f.

MERCURY.—Quotations for Spanish-Italian metal continue only in American dollars: f.o.b. Continent and ex store, London, 64 dollars per bottle.

NUX VOMICA.—Some Cochin is offering on spot at 11s. per cwt., ex store; shipment, washed and garbled, 9s. 3d. per cwt., c.i.f.

OPIUM.—Business has been poor: Turkish, original cases of 170 lb., 13 per cent., 1s. 1d.; Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

ORANGE PEEL.—Dealers are offering thin cut from 9d. to 1s. per lb., ex store.

ORRIS ROOT.—Spot supplies of fair Florentine are quoted at about 35s. to 37s. 6d. per cwt., ex store.

PEPPER.—Values show a fractional loss on the week, markets generally quiet. Lampong, in bond, 2⅞d.; shipment, March-May, 2 9/16d.; April-June, 2 9/16d.; May-July, 2⅝d.; August-October, 2¾d., c.i.f. Tellicherry, spot, 4d.; shipment, March-May, 34s., c.i.f. Aleppy, spot, 3¾d.; shipment, March-May, 35s., c.i.f. White Muntok, in bond, 4¼d.; shipment, April-June, 4d.; May-July, 4 1/16d.; August-October, 4 1/16d. per lb. London Terminal Market: Black, March, 2 1/16d.; May, 2¾d.; July, 2¾d.; October, 2⅞d. White, March, 4d.; May, 4 1/16d.; July, 4⅛d.; October, 4 3/16d. per lb.

PIMENTO.—Spot market is quoted slightly cheaper: spot, 7¾d. per lb.; shipment, March-May, 6¾s. per cwt., c.i.f.

RHUBARB.—Moderate sales from spot stocks, including fair export business to the Continent: Shensi, best quality, 4s. 9d. to 5s. 3d.; old, very slightly worny, 3s. 9d. to 4s. 3d.; and pickings, 4s. per lb. Rough round, spot, 2s. 4½d. to 2s. 7d. per lb., as to quality ; shipment, ordinary quality, 1s. 11d. per lb., c.i.f.

RUBBER.—Market shows a loss on the week, with business mostly dull. Standard ribbed smoked sheet, spot, 6 5/16d.; April, 6 5/16d.; May, 6 5/16d.; June, 6 5/16d.; July-September, 6 7/16d.; October-December, 6½d. per lb.

SAFFRON.—Very scarce in London, with the price dearer and nominal at 82s. 6d. to 90s. per lb. for genuine Spanish. Stocks at Marseilles reported cleared, with any offering from Spain now quoted at £8 2s. 6d. per kilog., c.i.f.

SARSAPARILLA.—Some bales of Jamaica native red quoted from 1s. 2d. per lb. No grey offering.

SCAMMONY ROOT.—Market dull, values steady: 15.3 per cent., 30s.; 17.45 per cent., 35s. per cwt., ex store.

SEEDS.—ANISE.—Spot, duty paid, Spanish, 60s.; Bulgarian, 42s. 6d.; Syrian, 40s. CANARY.—Market dull; all prices quoted are spot duty paid: Mazagan, 18s. 6d.; Turkish, 17s. 9d.; Plate, 17s. 3d.; Spanish, 25s. to 37s. 6d. CARAWAY.—Dutch spot, 33s., duty paid, and 28s. 6d., f.o.b. Holland. CORIANDER.—Morocco, 22s., spot, duty paid, 19s. 9d. quoted in bond. CUMIN.—Spot, Malta, 44s., duty free; Morocco, 40s. duty paid and 37s. in bond. FENUGREEK.—Morocco is quoted at 13s. 6d. spot, duty paid. MUSTARD.—English, 20s. to 32s. 6d., according to quality.

SENEGA.—Business has been negligible, quoted unchanged: spot, 2s. 5d. to 2s. 6d.; shipment, if available, 2s. 6d. per lb., c.i.f., nominal.

SENNA.—Business continues quiet, with prices remaining fully steady. Tinnevelly leaves of fair green colour offer on the spot as follows: Bold, at 6½d.; No. 1, at 5¼d.; No. 2, at 3½d.; No. 3, at 2½d.; No. 4, at 2¼d. per lb. Tinnevelly hand-picked pods are quoted at 6d. per lb. for best palish quality down to 3½d. and 4d. for darker grades, with manufacturing available at 2¾d. per lb. Alexandrian hand-picked pods.—New crop of fair quality are quoted as follows: good bold selected, at 5s. 6d.; No. 1, at 4s.; No. 2, at 3s.; No. 3, at 2s. 3d. per lb., with old crop pods offering at 3s. 3d. down to 1s. per lb., according to quality.

SHELLAC.—At the improved values the market is fully steady: spot, standard TN orange, 41s. 6d. to 44s. 6d.; fine orange, 57s. 6d. to 110s.; pure button, 55s. to 60s. per cwt. For delivery, TN, May, 41s. 6d.; August, 42s. 6d.; October, 43s. For arrival, TN, April-May, 39s. per cwt., c.i.f.

TRAGACANTH.—Market has been quiet except for a limited call for medium and white grades. All descriptions of gum are quoted unchanged.

TURMERIC.—Market has been quiet. with quotations unchanged: Madras finger, spot, 19s.; shipment, prompt, 24s.; new crop, April-May, about 23s. per cwt., c.i.f. Rajapore, shipment, 23s. 9d. per cwt., c.i.f.

WAXES.—BEES'.—Business shows no improvement: Calcutta, bleached, spot, 132s. 6d.; shipment, March-April, 127s. 6d., c.i.f.; ordinary quality, spot, 109s.; shipment, March-April, 103s. per cwt., c.i.f. Benguella, in bond, 105s.; shipment, March-April, origin, 96s. 6d., c.i.f. Conakry, spot, 105s.; shipment, March-April, 97s. 6d., c.i.f. Dar-es-Salaam, spot, 117s. 6d.; shipment, March-April, 107s. 6d. CARNAUBA.—Market has been dull, with values showing no change on quotation: fatty, grey, spot, 150s.; afloat, 145s.; shipment, March-April, 142s. 6d., c.i.f. Chalky, grey, spot, 150s.; afloat, 145s.; shipment, March-April, 142s. 6d., c.i.f. Primeira, spot, good quality, 205s.; afloat, 190s.; shipment, March-April, 177s. 6d., c.i.f. Mediana, spot, 185s.; shipment, 170s. per cwt., c.i.f.

Essential and Expressed Oils, etc.

BUSINESS in these products continues on a very moderate scale, with the demand still chiefly limited to spot goods. Anise (Star) is easier. Java citronella is dull and slightly cheaper forward. Bourbon geranium is much steadier. Sicilian lemon is easier and dull. Japanese peppermint has sold fairly well on spot and afloat.

ALMOND.—Imported oil continues firm as quoted: English made, cwt. lots, 2s. 9d.; smaller parcels, up to 3s. 1½d. per lb.; foreign cwt. lots, 2s. 9d.; smaller parcels, up to 3s. 1½d. per lb.; French bitter 6s. 3d. per lb.

ANISE (STAR).—The market is again easier, spot and forward ; business on the small side: spot, leads, if available, 4s. 10d.; tins, 4s. 3d.; drums, 4s. per lb., ex store; shipment, drums, 3s. 5d. per lb., c.i.f.

AVOCADO PEAR.—Interest continues in this product: Californian oil is quoted on spot from 47s. to 54s. per gallon, as to quantity, ex store.

BERGAMOT.—Rather more business moving, particularly on spot in smallish quantities. The Consortium are stated to be quoting steadily and unchanged at about 14s. 9d. per lb., c.i.f., for bulk quantities. In another direction we are advised that oil is now being offered very competitively by an importer who claims to be in a position to obtain new crop oil from the source but outside the official control. Spot prices vary as to quality and quantity from 13s. 6d. to 15s. 3d. per lb., ex store.

BOIS DE ROSE.—Trade remains quiet in this oil: Brazilian oil at about 5s. 7½d., in drums, and smaller quantities up to 6s. 3d. per lb.

CAJUPUT.—Spot steady, with a small trade moving ; shipment is slightly easier: B.P., 2s. 3d. to 2s. 6d. per lb., as to quantity, ex store.

CANANGA.—Trade is restricted to routine small orders: spot, about 5s. 6d., with smaller parcels up to 5s. 9d. per lb.; shipment, 4s. 9d. per lb., c.i.f.

CARAWAY.—Occasional spot business ; shipment market quiet: Dutch rectified, 7s. 3d.; crude, 6s. 9d. per lb., landed and duty paid.

CASSIA.—Lack of good demand has been a feature of this market for some weeks ; spot prices are cheap, with shipment quotations firm: spot, leads, 3s. 6d.; shipment, 3s. 1½d., c.i.f., the lowest price noted this week ; drums, 2s. 11d. per lb., c.i.f.

CINNAMON LEAF.—Ceylon oil is quoted for shipment unchanged at about 2s. 6d. per lb., c.i.f., in drums.

CITRONELLA.—The Java oil is rather easier forward, business quiet. Ceylon oil steady, but not in much call: Ceylon, spot, drums, 1s. 6d.; smaller parcels, up to 1s. 9d.; shipment, drums, 1s. 4¾d. per lb., c.i.f. Java, spot, drums, 1s. 11d. to 2s.; smaller parcels, up to 2s. 3d.; shipment, drums, about 1s. 6¼d. per lb., c.i.f.

CLOVE.—A little better spot trade, with quoted values steady: Madagascar, spot, drums, 3s. 3d. per lb., for small parcels, up to 3s. 9d. per lb.; shipment, 2s. 5d. per lb., c.i.f., in drums.

EUCALYPTUS.—Keen prices continue to be quoted for 70 to 75 per cent. oil, while the values of the higher grade oils are fully steady: Australian, 70 to 75 per cent., tins, 1s. 6¼d. to 1s. 6¾d.; drums, 1s. 5½d.; 80 to 85 per cent., drums, 1s. 9¾d. per lb., landed; higher prices for small lots on spot. Shipment, 70 to 75 per cent., tins, 1s. 3¾d.; drums, 1s. 3d.; 80 to 85 per cent., 1s. 6¼d. per lb., c.i.f.

GERANIUM.—A good recovery in values for Bourbon is recorded, and this movement may develop. Algerian oil is steady. Rather more interest in the market generally this week: Bourbon, spot, 12s. 7½d. to 13s. 3d.; shipment, 11s. 4½d. to 11s. 6d., c.i.f.; Algerian, spot, 13s. to 13s. 6d.; shipment, 12s. 6d. per lb., c.i.f.

GINGERGRASS.—Some inquiry for spot supplies, but it is difficult to locate any good quality oil.

GRAPE-FRUIT.—Seasonal inquiry continues on a fair scale; market steady: Californian, 10s. 6d. to 12s. Florida, 10s. 6d. to 11s. 3d. per lb., as to quantity.

HO (SHIU).—The demand for this oil continues restricted, with quotations keen for good quantities: "improved" quality, in drums, 4s.; "extra" quality, 4s. 3d., in drums; shipment, "extra" quality, 3s. 10½d. per lb., c.i.f., in drums.

LEMON.—Reports from the source indicate an easier shipment market, with quotations for oil described as hand-pressed ranging from 10s. to 11s. per lb., c.i.f., as to brand and quantity. A little business is reported. The latest unofficial news from the source on the proposed Consortium is to the effect that the subject is still in abeyance; that the market is almost certain to remain uncontrolled for this season, and that the proposal generally is not meeting with the support that was at one time anticipated. Spot business in limited quantities has been moving fairly well, with prices ranging from 10s. to 11s. 6d. per lb., as to quality and quantity. Californian distilled, regular quality, 6s. 4d. per lb., landed, in small drums.

LEMONGRASS.—Still but little interest in this market: quoted unchanged at 1s. 6¾d. per lb., c.i.f.: spot, sellers from 1s. 9d. to 1s. 10½d. per lb., ex store.

LIME.—Spot West Indian distilled is unchanged as quoted at 25s. to 26s. 6d. per lb., ex store, with a moderate demand reported.

MANDARIN.—Rather more inquiry, with finest quality oil at about 20s. to 21s., c.i.f., with other qualities from 18s. 6d. per lb., c.i.f.

NUTMEG.—American and Dutch oils are offering at about 5s. 3d. to 5s. 6d. per lb., as to quantity. Demand has been slow.

OLIVE.—Market is keeping steady and spot business has been rather better this week: 1 per cent., 6s.; 2 per cent., 5s. 11d. per gallon in 45/50-gallon drums. French, edible quality, 75s. for cases of 10 one-gallon tins and 78s. for 20 half-gallon tins; 6s. 6d. per gallon in 50-gallon drums.

ORANGE.—The French Guinea oil shows no improvement in demand for shipment, with re-sellers quoting steadily from 2s. 11d. to 3s. per lb., c.i.f., in drums. On spot there has been a limited business, with drums at 3s. 6d. and re-packed oil from 3s. 8d. to 4s. per lb., as to quantity and packing. Californian, spot, one case, 4s. 6d.; two or more cases, 4s. 3½d.; small drums, 4s. 2d. per lb., landed; large drums, not quoted.

PALMAROSA.—Market is rather steadier, but business has remained quiet at 7s. 3d., c.i.f.; spot sellers are quoting 8s. 1½d. to 8s. 3d. per lb., ex store.

PATCHOULI.—Beyond occasional spot sales the market has been dull: Singapore, about 14s. 6d.; shipment, 13s. 6d. per lb., c.i.f. Seychelles, 11s. 6d.; shipment, about 10s. 9d. per lb., c.i.f.

PEPPERMINT.—The Japanese product has sold fairly well on spot and near afloat parcels have been called for. Market is steady: spot, 4s. 6d. to 4s. 7¾d., as to brand and seller. Japanese shippers quote March-April, 4s. 4½d., c.i.f., and distant positions are recorded at 4s. 7d. to 4s. 8d., c.i.f., nominal. Re-sellers on the market of January-March at 4s. 4½d. per lb., c.i.f. American natural oil, in drums, remains quiet with only a limited spot demand; shipment is reported to be fully steady at 2 dollars to 2 dollars 15 cents per lb., c.i.f., as to brand.

PETITGRAIN.—Spot quotations are about maintained; quoted slightly easier forward: spot, cases, 4s. 1½d. to 4s. 2d.; shipment, 3s. 7d. per lb., c.i.f.

RAISIN SEED.—Spot supplies of Californian are quoted on spot from 2s. 4d. to 2s. 6d. per lb., ex store, according to quantity.

ROSEMARY.—Fair amount of small spot business: genuine Spanish oil is quoted from 3s. up to 3s. 7½d. per lb., as to quality and quantity.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots, continues steady at 20s. 6d. per lb. East Indian is steady at 17s. 6d. per lb., c.i.f., for bulk quantities. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb., for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

SASSAFRAS.—Dealers' prices are unchanged at 3s. 6d. up to 4s. per lb. for the finest genuine American oil.

SPEARMINT.—The spot market is quiet: U.S.P. oil, spot, 8s. 3d.; shipment, 7s. 6d. per lb., c.i.f. Other quality oils at cheaper prices.

SPIKE.—Dealers holding spot supplies of the best quality Spanish oil, which appears to be moderate in quantity, are keeping their quotations steady from 5s. 7½d. to 6s. per lb., as to quantity. Blended oils at cheaper prices.

WORMSEED.—Dealers report market is dull: U.S.P. quality oil unchanged; spot, about 11s. to 11s. 3d.; shipment, 10s. 6d. per lb., c.i.f.

WORLD MINERAL INDUSTRIES—No. 13

Platinum

THE following table of world production is given in a Statistical Summary of production and exports of the world's mineral industries, published by the Imperial Institute, London, S.W.1 (price 7s. 6d.):—

Producing Country	1934	1935	1936
BRITISH EMPIRE	Troy oz.	Troy oz.	Troy oz.
Sierra Leone—			
Crude platinum...	474	750	484
Union of South Africa—			
Crude (*Pt metals content*)	26,370	19 954	19,751
Concentrates (*Pt metals content*) ...	11,372	11,318	13,164
Osmiridium (crude) (*a*)	5,088	5,047	5,431
Canada—			
Crude platinum (*Pt content*)	53	39	20
Recovered from Ontario nickel-copper matte:			
Platinum	116,177	105,335	131,571
Other platinum metals	83,932	84,772	103,671
New South Wales—			
Crude platinum...	180	98	47
Tasmania—			
Osmiridium (crude)	488	235	281
New Zealand—			
Crude platinum...	—	14	29
Papua (years ended June 30)—			
Crude platinum...	89	46	24
Osmiridium (crude)	4	9	—
FOREIGN COUNTRIES			
U.S.S.R.—			
Crude platinum (estimated)	100,000	100,000	100,000
Abyssinia (*b*)—			
Crude platinum...	5,612	5,350	8,038
Belgian Congo—			
Palladium	3,588	5,144	12,571
Platinum	1,260	965	3,183
United States (*c*)—			
Crude platinum...	3,720	9,069	9,895
New platinum metals recovered by refineries from gold and copper ores of domestic origin—			
Platinum	1,062	1,361	4,443
Palladium	1,271	1,115	4,505
Iridium, osmiridium, etc. ...	2	7	36
Colombia—			
Crude platinum...	54,768	38,628	38,333
Panama—			
Crude platinum...	—	16	19
Japan—			
Crude platinum...	118	51	34
Palladium	(*d*)	11	(*d*)
Iridium	(*d*)	2	(*d*)

(*a*) It is estimated by the Department of Mines, Union of South Africa, that the osmiridium sold during these years contained the following amounts of the metals mentioned below (fine ounces):—

	1934	1935	1936
Osmium	1,858	1,731	1,670
Iridium	1,706	1,501	1,432
Ruthenium	713	694	730
Platinum	670	594	641
Rhodium	30	29	25

(*b*) Amount registered, which is probably not total production.

(*c*) Secondary platinum metals recovered in the United States were as follows (troy ounces):—

	1934	1935	1936
Platinum	35,494	47,107	55,959
Paladium	5,606	7,852	6,786
Iridium	1,328	2,191	2,204
Other platinum metals ...	1,328	1,975	1,217

(*d*) Information not available.

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

C. & D. Perfumery Number

SIR,—Your article in the *C. & D.*, March 19, on the history of shaving and the various razors on sale to-day makes most interesting reading and we feel sure that surveys of this nature are of great interest to the trade. In our opinion, your issue of March 19 is one of the brightest you have ever produced and we would like to offer you our congratulations.

Yours truly,
WILLIS C. COOPER,
Gillette Industries, Ltd.
Isleworth.

SIR,—The article " A History of Modern Shaving " (*C. & D.*, March 19, p. 341) commences with an account of hollow-ground razors accompanied by illustrations. One is tempted to ask how many men to-day still use an open razor, commonly termed " cut throat," in preference to the modern safety razor. In addition to the principle of safety, another inducement to use a safety razor is the difficulty some men experience in keeping a good edge on the ordinary type. It is largely a matter of knack in stropping; but a safety razor can be fitted at once with a new blade if it is not sharp. One thing I have noticed about safety razors from a trading point of view is that, although there is a brisk demand for blades, there is very little sale for the razors even when these are displayed consistently. They must be obtained from somewhere, unless the male population has been overstocked during the numerous free gift schemes. Now and again one still meets the man who sticks to the old type, and it may be noted that barbers always use an open razor.—Yours faithfully,

H. C. (20/3).

SIR,—I assume that few of your readers will cavil at your description of the perfumery and cosmetic trade as " Pharmacy's Biggest Department " (*C. & D.*, March 19, p. 329). If it is not the biggest department there is good reason why it should be. It can be said without the least fear of contradiction that the industry was started through the chemist. Those of us who have been in business close on fifty years have seen the rise and development of perfumery, and toilet products. There was a time when the hairdresser, perhaps the biggest competitor the chemist has to-day in this business, was not interested. Until the end of the war its development was not spectacular; it is since 1918 that it has gone on, to an increasing extent. There is little danger of the pharmacist losing it if he will bestir himself. The profits are uncommonly good in many cases, and the work of selling is eminently suited to a lady assistant who should be allowed to specialise on it. Perhaps one of the drawbacks is the extensive stock that has to be kept, with the attendant sinking of a fairly large slice of capital. Still £100 sunk in perfumes brings a better and quicker return than the same amount invested in drugs.—Yours faithfully,

COSMETICIAN (21/3).

SIR,—It is regrettable that the day of the old long, folding razor (*C. & D.*, March 19, p. 34) has largely passed since the introduction of the safety type, particularly as this means the decay of an old craft. The "open" razor blade was always hand-forged, the forger requiring for his work a hearth supplied with fine coke, bellows to force this fuel into activity as required, an anvil, a trough of water and an assortment of hammers and tongs. From a bar of steel correctly heated the forger moulded the metal into the rough semblance of a blade; this was severed from the bar and re-heated for further and more particular hammer work, which quickly formed the piece into blade shape (thick back sloping down across its width to a comparatively thin edge, with tang also drawn out to shape). Next the blade was hardened and tempered, and the great skill of the Sheffield forgers was exemplified in the exceptionally uniform results obtained in this important process. By slight checking of the heat the forger arrived at the correct moment at which the blade was ready for immersion in his trough of water, when it became glass-hard. From this stage it was re-heated over the fire and the hardness "let down" until (again by eye judgment) its changing colour advised the worker when the correct degree for temper had been reached. The blade was then ready for the grinder, an exceedingly skilled worker, for the grinding had to be taken down to an extremely fine edge, yet it was essential that this edge should not be broken through. After grinding, several processes for "fining" the surface were carried out on glaziers and polishers until the blade was ready for hafting. Three grades of workers, therefore, were concerned: the forger, grinder and hafter, the last also attending to the final whetting of the blade ready for use. Workers in the razor trade were not an organised body until the nineteenth century was well forward. The three branches, after separate and chequered careers, were finally united in a federation about 1890, almost too late to be of much service, for by this time blades were being made under the "drop-forged" process, and machine grinding had been introduced. The long razor had, however, still a fair period of virtual monopoly before it, and supported a successful branch of the industry for a further thirty years. Sheffield razors earned an enviable reputation throughout the world and the trade marks of a number of the manufacturers were of great value in placing their products. Even to-day, whenever a long razor is asked for, it is generally associated with a well-known trade mark or trade description. The undoubted advantage of the old type of razor is that it can be depended upon to give a comfortable shave day after day for many years. In the hands of a careful user a pair of good razors can be used with satisfaction over a period of thirty or more years. The full hollow-ground blade requires little stropping, an operation, nevertheless, easy to learn, demanding only the ability to place the blade flat on a strop and draw it forward and back a few times, preferably after shaving (this dries the edge of the blade and so prevents any risk of rust). The writer, who is faithful to the old type of razor, unhesitatingly recommends its use by others. The first expense of the outfit is the only one that need be incurred and the daily shave should be entirely comfortable.

Yours faithfully,
J. M. DENTON,
Christopher Johnson & Co., Sheffield.

Memorial to Arthur E. Young

SIR,—The high esteem in which the late Mr. A. E. Young was held throughout pharmaceutical circles in this country prompts us to make a general appeal for funds towards the provision of a suitable memorial. This will consist of a bronze relief to be erected in the main laboratory of the new School of Pharmacy premises in the Leicester College of Technology. It was here that much of his time was spent, and the ideal conditions under which future students of pharmacy will work in the College are in no small measure due to his foresight and zeal as chairman of the Advisory Committee of the School. Old students of the School, pharmacists of the city and county of Leicester, as well as his many friends on the Board of Examiners (of which he was a member since 1920) will, it is hoped, support this appeal wholeheartedly. Any surplus fund will be invested to provide a memorial prize in the School of Pharmacy. Subscriptions should be sent to the Treasurer, The Arthur Young Memorial, College of Technology, Leicester.—Yours faithfully,

SETH S. SQUIRE,
Chairman of the School of Pharmacy
Advisory Committee.
Leicester.

Employment Arithmetic

SIR,—Your correspondent "L. W." (*C. & D.*, March 19, p. 355) takes a new line in an endeavour to support his assertion of a plethora of qualified pharmacists. He now asserts that "the number of unemployed who advertise is but a fraction of the total." If such be the case, and the market is glutted with qualified assistants, there should surely be no necessity for so many employers to have to advertise week by week. The obvious inference is that employers are having the utmost difficulty in securing reliable assistance owing to the scarcity of dependable registered pharmacists, and this view is borne out by personal talks with employers in all parts of the country.—Yours faithfully,

NUNQUAM (23/3).

Growth of Proprietary Medicines

SIR,—Mr. F. W. Gamble, in his Harrison Memorial Lecture (*C. & D.*, March 12, p. 295), asked "Why has the use of secret and proprietary medicines extended?" Largely, no doubt, due to the enormous volume of advertising put before the public constantly, and helped by the displays of proprietary remedies made in chemists' windows, mistakenly, as many of us believe, because the customer has been diverted from the simple homely remedies to the advertised ones. Where formerly a person with some slight ailment asked the chemist to recommend something, now he buys some line he has seen advertised or displayed. There are those individuals who, having been under treatment for a considerable time without lasting benefit, then read of the marvellous cures claimed by a patent medicine and decide to try it. When that one fails they try another, and so on. The large demand for proprietary remedies is not only evidenced by the large sums spent on advertising, but also by the largely increased number of patent medicine licence holders, among whom chemists form a minority.—Yours faithfully,

PROPRIETOR (22/3).

SIR,—Mr. Gamble's lecture on Harrison, upon which you comment on p. 329, is timely and above all things topical. He faces realities; it is not his task to suggest how the problems he indicates can best be dealt with. One thing emerges clearly and that is the rapid growth of proprietary medicines and their importance to pharmacy as a whole. There is no money in the manufacture and sale of drugs to-day; few manufacturing firms could keep going on making and selling galenicals had they nothing else to fall back upon. It is useless for the highbrows, either in medicine or pharmacy, to sneer at proprietary medicines; their sale provides a safe background for the pharmacist's business at the present time. I should like to add my quota of appreciation to that of "Xrayser's" on p. 319, of the character of Edward Frank Harrison. I remember seeing his spare, active figure clad in khaki; he was then engaged in anti-gas work. His early death was a shock to us all and a great loss to pharmacy. The test of a man's life is not necessarily the quantity of the work he puts out, but the quality; Harrison will be remembered by the volume of his work, as well as by its remarkable efficiency.—Yours faithfully,

MANUFACTURER (20/3).

Agreed Scale of Dispensing Charges

SIR,—I see that in the factors for agreed dispensing charges (*C. & D.*, March 19, p. 319) the fourth item stipulates a profit of 33 per cent. on total cost, which is equal to 25 per cent. on selling price. The question arises whether this is really sufficient? When one considers that some toilet articles show a margin of 33 per cent. on sales, sales which are effected in a minimum of time and without any professional work, surely a dispensed medicine is worthy of at least an equal profit. Besides the interest on capital there should be added to the total some amount as a return for the initial expense of training and qualification; if this is not reckoned as a factor it would seem that the qualification is not considered to be worth anything as a capital asset.—Yours faithfully,

ONCOST (19/3).

SIR,—The topical discussions on better dispensing fees reported in the *C. & D.* are encouraging and show that at last chemists are arriving at a just estimate of our qualification and statutory obligations. I would particularly stress the points made by Mr. C. G. Drummond (*C. & D.*, March 12, p. 296) and congratulate him on his estimate of 1s. dispensing fee, which is in no sense too much. The time would appear ripe for a definite settlement of this question, and endeavours made to secure uniformity not only among individual chemists but all bodies corporate. I would appeal to all chemists for loyalty, and as a step towards complete uniformity adhere to the *C. & D.* Retail and Dispensing Price List. This is already done by many, but it must be done by all. Six years ago I was handed a prescription from a neighbouring town. The chemist who had previously dispensed it marked on it the *C. & D.* code, which I honoured. The customer was satisfied and so was I, and have retained him (now resident here) and my colleague's reputation was enhanced. In short, what we need is individual and collective loyalty.

Yours truly,

LOYALIST (20/3).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

C. G. (21/3).—FORMALIN AND PERMANGANATE FUMIGATION.—Formalin solution is used with potassium permanganate as follows: Solution of formalin (16 oz.) is added to potassium permanganate (8 oz.), the latter being mixed with 15 per cent. of cement and shaped into tablets, each containing 4 oz. of the salt. The quantity is suffieient for 1,000 c. ft. of air space. The air should be moist, and there should be no naked flame in the room. The potassium permanganate tablets should be put into a large tin standing in a larger tub of water and the formalin solution poured over the tablets. The room should be sealed and left for six hours.

D. M. (21/3).—MAIL ORDER BUSINESS.—The following publications will probably be satisfactory for your purpose:—"Rittenberg's Mail-Order Made Easy," Efficiency Magazine, 5s.; "Dennett's Direct Mail Advertising," Pitman, 7s. 6d.; "Bull's Mail Order and Instalment Trading," Pitman, 7s. 6d.

J. A. B. (4/21).—PRESCRIPTION CHARGE.—According to the *C. & D.* Costing System, the prescription should be priced as follows:—

		d.
Magnes. trisilic	10.0	3.0
Magnes. perox.	5.0	4.0
Sodii bicarb.	5.0	1.0
Bismuth subgall.	3.0	3.0
Taka diastase	7.0	36.0
Kaolin puriss.	10.0	1.0
Ext. bellad.	0.15	1.0
Oncost		10.0
Powder bottle		5.0
		64.0

Charge 5s. 4d.

A. A. P. (18/3).—LACTIC FERMENT THROAT PAINT.—The only lactic ferment with which we are familiar is a lactic bacillus, which requires lactose as a basis of growth. Lactic acid obtained in this manner would probably not be suitable in use. The following prescription is worth a trial:—

Ac. lactic. dil.	3j.
Glycerin.	3ij.
Aq. dest.	ad 3j.

H. & C. (21/3).—POISONS BY POST.—The supply of First Schedule poisons by post was dealt with editorially in THE CHEMIST AND DRUGGIST, March 12, p. 301. When articles of a poisonous nature are sent by post, it is, of course, also necessary to see that the postal regulations are not infringed.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," March 24, 1888

Unqualified Managers

The clause requiring that all branch shops belonging to chemists and druggists shall be under the management of a duly qualified assistant, added to the Pharmacy Acts Amendment Bill by Lord Milltown, has caused some considerable consternation among the persons who would be affected by it. There is reason to believe that these constitute a numerous class, and what evidence has come before us leads us to believe that branch shops are more frequently than not under the control of unqualified assistants. Of course, we use the term "unqualified" strictly in its legal sense. No doubt many of these unqualified managers are extremely competent; perhaps they are on the average, as some of them evidently believe themselves to be, more reliable than their diplomaed rivals. We cannot help sympathising with these threatened managers. They have been led into their present position in consequence of the laxity with which the Pharmacy Act has been administered by those to whom it is entrusted, and they naturally claim some sort of vested interest in their usurpation. But it must be remembered, on the other hand, that they have been acting illegally all these twenty years. All the Lords of the Law have declared that the unqualified person who conducts the sale of a scheduled poison thereby renders himself liable to a penalty under the Pharmacy Act.

LOSS OF APPETITE

For hydrochloric acid medication, with pepsin—

Doctors prescribe

'ACIDOL'-PEPSIN

TRADE MARK — BETAINE HYDROCHLORIDE WITH PEPSIN — BRAND

HCl IN TABLET FORM

now strongly advertised to the medical profession

'Acidol'-Pepsin—always in ready demand by doctors—will be forcefully advertised this year in the important medical press and in our own journal "Clinical Excerpts."

We anticipate a considerable increase in sales, because of the exceptional advantages of 'Acidol'-Pepsin over similar forms of medication:

- IT IS IN SOLID FORM — EASY TO CARRY.
- IT IS INDEFINITELY STABLE.
- IT IS PLEASANT TO TASTE.
- IT HAS A PROLONGED EFFECT.

'Acidol'-Pepsin is issued in gr. 7½ (0.5 g.) tablets in tubes of 10 and cartons of 50.
Two strengths:—No. I. (strong: pepsin 0.1 g. and 'acidol' 0.4 g.) No II. (mild: pepsin 0.2 g and 'acidol' 0.05 g.)

BAYER PRODUCTS LTD.
AFRICA HOUSE, KINGSWAY,
LONDON, W.C.2.

Fifty Years of

1888 BAYER *1938*

PHARMACEUTICAL PRODUCTS

Hubbuck's Pure Oxide of Zinc

is made by sublimation, and is warranted to contain upwards of

99·9 PER CENT.

of pure oxide; in fact, the impurities are not traceable

Thos. Hubbuck & Son, Ltd.

ESTABLISHED 1765

24 Lime Street, London, E.C. 3

MANUFACTURERS OF WHITE LEAD, WHITE ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.

Australian Office: 34 *Queen Street, Melbourne*

Sold by the following Wholesale Druggists in Boxes of **7** *lb. and* **14** *lb. stomped by the Manufacturers: also in* **1***-lb. Boxes and* **1***-lb. Gloss Bottles:*

Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Bell, Jno., & Croyden
Bell, John, Hills & Lucas, Ltd.
Bleasdale, Ltd.
Boots Pure Drug Co., Ltd.
British Drug Houses, Ltd.
Brook, Parker & Co., Ltd.
Burgoyne, Burbidges & Co.,
Butler & Crispe Ltd.
Cockburn & Co., Ltd.
Dakin Brothers, Ltd.
Duncan, Flockhart & Co.
Evans, Gadd & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Ferris & Co., Ltd.
Gale Baiss & Co., Ltd.
Glasgow New Apothecaries Co.
Goodall, Backhouse & Co., Ltd.
C. R. Harker, Stagg & Morgan, Ltd.
Harkness, Beaumont & Co., Ltd.
Hatrick, W. R., & Co.
Hirst, Brooke & Hirst, Ltd.
Horner, L. A., & Sons
Huskisson, H. O., & Co.
Lofthouse & Saltmer, Ltd.
Mackay, Jno., & Co., Ltd.
May, Roberts & Co., Ltd.
Oldfield, Pattinson & Co.
Pinkerton, Gibson & Co., Ltd.
Potter & Clarke, Ltd.
Raimes & Co.
Raimes, Clark & Co., Ltd.
Rankin & Borland
Silversides, R. B. G.
Smith, T. & H., Ltd.
Sourhall Bros. & Barclay, Ltd.
Sumner, R., & Co.
Taylor, Jas. (Trongate), Ltd.
Thompson, John, Ltd.
Wilkinson & Simpson, Ltd.
Willows, Francis, Butler & Thompson, Ltd.
Woolley Jas., Sons & Co., Ltd.
Wright, Layman & Umney, Ltd.
Wyleys (Llm.)

Barry, E. J., New York
Finlay Dicks & Co., New Orleans
E. Fougera & Co., 90-92, Beekman Street, New York
Chas. L. Huisking & Co., Inc., 155, Varick St., New York
L. hn & Fink, Inc., N. York
McKesson & Robbins, Inc., New York
Muth Brothers & Co., Baltimore
Palmers, Ltd., Montreal
S. B. Penick & Co., Inc., New York
Roller & Shoemaker, Philadelphia
Schieffelin & Co., Inc., New York
Shoemaker & Busch, Philadelphia

"Graesser" QUALITY

PHENOL B.P.

CRESYLIC ACID

ICE CRYSTALS
DETACHED CRYSTALS
or
LIQUEFIED

META-PARA CRESOLS
ORTHO CRESOL
XYLENOL MIXTURES
etc., etc.

N. H. GRAESSER The Chemical Works, **SANDYCROFT, Nr. CHESTER**

Telegrams: Graesser, Chester. Telephone: Hawarden 104 & 105

All our products are made under strict laboratory control and direct supervision of technical experts. We are specially equipped to produce Salicylates of the finest quality and to give attentive service and prompt delivery . . . .

ASPIRIN B.P. SODIUM SALICYLATE B.P. SALICYLIC ACID B.P. & Technical

SALICYLATES

ORTHOCRESOTINIC ACID Technical, SODIUM PHENATE, Etc.

We solicit your enquiries and orders for both B.P. and commercial qualities

GRAESSER SALICYLATES LTD., THE CHEMICAL WORKS, SANDYCROFT, CHESTER

Telephone & Telegrams: HAWARDEN 104

Alkaloids

FINE CHEMICALS AND OPIUM DERIVATIVES

ALOIN • ATROPINE • BISMUTH SALTS • CAFFEINE
CANTHARIDIN • CAPSICIN • CHLOROFORM • CHRYSAROBIN
CODEINE • DIAMORPHINE • EPHEDRINE • ERGOTIN
ESERINE • ETHYLMORPHINE • GINGERINE
JALAP RESIN • LEPTANDRIN • MORPHINE • OPIUM
PODOPHYLLIN RESIN • SALICIN • SANTONIN
SCAMMONY RESIN • STRYCHNINE AND OTHER
PHARMACEUTICAL CHEMICALS & PREPARATIONS

CHLORAL HYDRATE

Goods covered by Dangerous Drugs Acts offered subject to all regulations

Blandfield Chemical Works, Edinburgh, 11

T. & H. SMITH LTD

32 Virginia Street, Glasgow, C.1

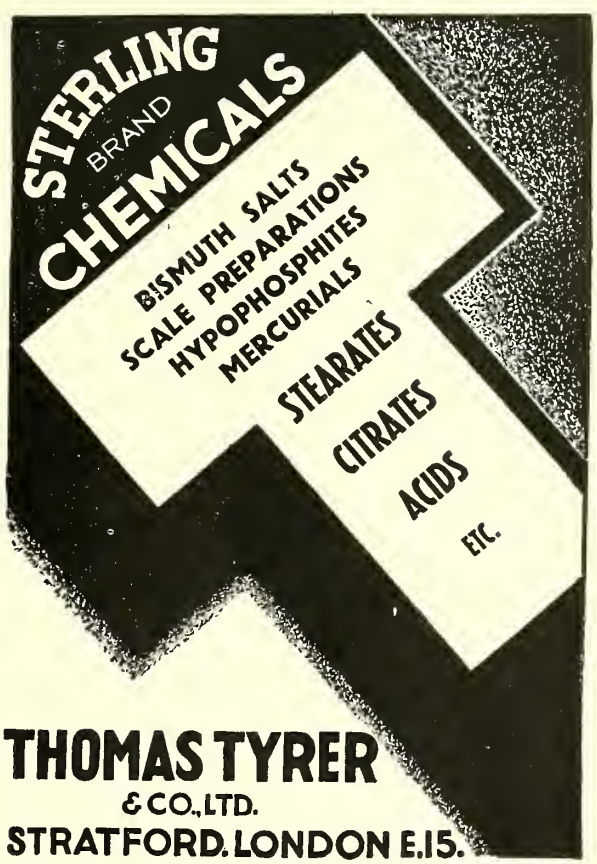
25 CHRISTOPHER STREET · LONDON · E·C·2

SOLAZZI
Liquorice Juice

The Chemist's Brand

Should any enquiries as to the composition of SOLAZZI be received from the public, Chemists are requested to emphasise the fact that SOLAZZI is not included in the category of Secret Remedies, and that the following guarantee obtains with every parcel.

Solazzi Juice is guaranteed to consist entirely of the condensed extract of finest Calabrian Liquorice Root, without any admixture whatever



THOMAS TYRER
& CO., LTD.
STRATFORD. LONDON E.15.

Specify

CARNEBROS

Brand

Aloin • Chrysarobin
Podophyllin • Quinine
Santonin • Strychnine

Acetylsalicylic Acid
Amidopyrin
Barbitone
Caffeine
Emetine
Ephedrine
Iodides
Jalap Resin
Menthol
Phenacetin
Phenazone
Phenobarbitone
Salicylates
Scammony Resin
Sulphonal
etc.

CARNEGIE BROS. LTD., 227-229 ESSEX RD., LONDON, N.1
Telephone : Clissold 4761—4 lines.
Telegraphic Address : Carnebros, London
Codes : ABC-5th and 6th Editions, Etc.

CARNEGIE BROS. LIMITED 227-229 ESSEX ROAD LONDON N.1 CARNEBROS

ARNFIELD'S
RASPBERRY
VINEGAR

Prepared from selected Raspberries and Pure Cane Sugar.

This product is free from flavouring and added preservatives.

Guaranteed to comply with the requirements of the Food and Drugs Act and Pure Food Regulations.

Samples and prices will be sent on receipt of applications.

Supplied only in Carboys, Kegs, Casks and Winchesters.

AR2a

J.C. ARNFIELD & SONS LTD
Wholesale & Export Druggists
GADSBY WORKS, PRINCES ST. STOCKPORT
Established 1786

'KILLGERM' *Disinfectants*

FLUIDS · SOAPS · POWDERS
TOILET ROLLS · INSECTICIDE
FLOOR POLISH · SULPHUR CANDLES

May we send you samples and prices ?

THE KILLGERM CO. LTD.
CLECKHEATON, YORKS
TELEPHONE: CLECKHEATON 557 & 558

PETROLEUM JELLIES

LIQUID PARAFFIN

PURFINOL

TECHNICAL OILS

PURFINOL LTD.
BRETTENHAM HOUSE, LANCASTER PLACE, STRAND, LONDON, W.C.2
Telephone : Temple Bar 1318/1319 • Cables : Invatore-Rand-London

STURGE
CITRIC ACID

A BIOLOGICAL PRODUCT OF UNVARYING QUALITY AND ABSOLUTE PURITY, SUITABLE FOR USE IN THE FINEST FOOD AND DRINK MANUFACTURES.

JOHN & E. STURGE LTD., 1 WHEELEYS ROAD, BIRMINGHAM, 15

MANUFACTURERS OF FINE CHEMICALS SINCE 1823

PACKED OR IN BULK **TABLETS** **(Compressed)**

● Specialists for over 30 years in all kinds of Medicinal Tablets. Purity of Drugs and Accuracy of Dosage Guaranteed. Let us put up your own Speciality in Tablet Form. Secrecy of Formula Guaranteed.

SPECIAL LINES—**HEART SHAPE INDIGESTION TABLETS (IN GENERAL FAVOUR).**
A 6d. LINE IN DOG MEDICINES. SPECIAL SHOW BOX 3s. 6d. 1 DOZ. BOTTLES (ASSORTED)
"CONDITION," "WORM," "DISTEMPER," AND "HYSTERIA."

THE IMPROVED "PREMIER" TABLET MACHINE
Will stand up to the hardest work. (Full instructions for making tablets with each machine.) **Price £14 - 14 - 0**
Power machine on stand **£20.** Also special machine electrically equipped with Motor, Starter, etc., in one unit **£35 - 0 - 0**

BUCKLEY-BOWKER TABLET CO., LTD.
MANUFACTURING CHEMISTS & PHARMACEUTICAL ENGINEERS **29 Parkfield Street, London, N.1** *Telephone: Canonbury 3401*

We Specialise in
•**FACE CREAMS**
•**POWDERS**
•**LOTIONS,** etc.

Supplied in bulk or packed in your own containers. Private formulae a speciality. Strict accuracy and best ingredients only guaranteed.

LOWEST POSSIBLE PRICES

BEAUTY & COSMETIC TRADE
Send us particulars and let us quote.

ROUSE BROS. (LONDON 1.) **LTD., 61 CHARLOTTE ST., W.1**

"... I've been told to gargle

— something effective but pleasant, please"

The answer in such a case is 'Dettolin.' For all its high germicidal efficiency, 'Dettolin' is distinctly pleasant to use in the mouth or throat. 'Dettolin' contains among other ingredients the active germicidal principle of 'Dettol'—the modern antiseptic. It is ruthless to the germs that breed in the mouth and throat, but soothing and gentle on sensitive membranes.

'Dettolin' is packed in attractive bottles. Price 9d. and 1/3

FORMULA: *Dimethyl Chlor Phenyl Hydrate 1·02%, Menthol 0·12%, Sapo Vegetalis 0·5%, Tinct. Rosae Aromatica 64·9%, Elixir Glusidi B.P.C. 6·0%, Aqua dest. ad. 100 vols.*

'DETTOLIN'

BRAND

Gargle and Mouthwash

RECKITT & SONS, LTD. (PHARMACEUTICAL DEPT.) HULL.
LONDON: 40, BEDFORD SQUARE, W.C.1.

Announcing NEW 5/- size

"CLARKES"

Brand

World-famed Blood-purifying Medicine

"BLOOD MIXTURE"

Registered Trade Mark

UNSTAMPED, FOR SALE BY CHEMISTS ONLY

P.A.T.A. PRICES

"CLARKES" *Brand* **BLOOD MIXTURE**

(Liquid and Tablets)

Retail **3/-**. 3 doz. lots **£4-4-0** *less* **3¾%** *one month*

12 „ „ **£16-16-0** „ **8¾%** „ „

CARRIAGE PAID PACKING FREE

ASSORTED ORDERS

	Retail	Per Doz.
"CLARKES" *Brand* **BLOOD MIXTURE** (*Liquid & Tablets*) ...	**1/9**	**16/4**
„ „ „ ...	**3/-**	**28/-**
„ „ „ ...	**5/-**	**46/8**
„ (*Liquid only*)	**12/-**	**112/-**
SKIN LOTION	**1/3**	**11/8**
SALVE	**1/3**	**11/8**
„	**3/-**	**28/-**
„	**5/-**	**46/8**
APERIENT PILLS	**1/3**	**11/8**
„ „	**3/-**	**28/-**
MEDICATED SOAP		Doz. Tablets
Box 3 Tablets	**2/6**	**7/10**
Single Tablets	**1/-**	

Orders may be assorted as desired at above rates provided they reach minimum values, as follows:—

£4-4-0 *less* **3¾%** *one month*

£16-16-0 „ **8¾%** „ „

CARRIAGE PAID PACKING FREE

ORDERS may be sent direct or through the usual wholesale houses

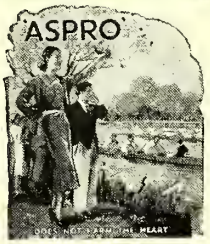
The Lincoln & Midland Counties Drug COMPANY, LIMITED

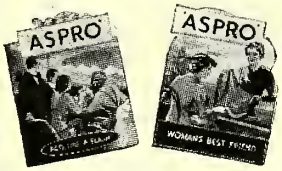
PARK STREET, LINCOLN

Telegrams: "Lindum, Lincoln" Telephone: Lincoln 55

THE BEST PRESENT WE CAN GIVE YOU is a NEW CUSTOMER!

These new Spring Displays are NOW READY





'ASPRO' newspaper advertising continues on the same vast scale, winter and summer. 'ASPRO' broadsheets reach every house in every town of the British Isles. 'ASPRO' displays are available for every pharmacist in the land.

All this expertly organised, concentrated publicity effort is out to achieve two objects: to make new customers FOR YOU and to keep old customers. When a service like this is at work you get the full benefit. But only

IF YOU DISPLAY 'ASPRO' ADVERTISING MATERIAL ALL THE TIME

'ASPRO' displays make every inch of window-space they occupy pay thousands per cent in sales because they bring into your shop members of the vast 'ASPRO'-using public, potential customers for your other lines as well. Remember—

'ASPRO' is the ALL-SEASONS REMEDY— It sells all the time!

'ASPRO' REG. TRADE MARK

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to medical Science, and its claims are based on its superiority.

Made in England by ASPRO LIMITED, SLOUGH, BUCKS.
Telephone: Slough 608.

No proprietary right is claimed in the method of manufacture or the formula.

TRADE MARK

"FELLOWS"

COMPOUND SYRUP OF HYPOPHOSPHITES

Recommended for the treatment of many forms of anæmia; and during and after convalescence.

Compound Syrup of Hypophosphites "Fellows" is uniform in potency because it is compounded, by the "FELLOWS" process, with exceeding care and skill directed by years of clinical experience. Each laboratory process is rigidly controlled.

When a tonic is asked for, or indicated, explain that the Medical Profession has prescribed "FELLOWS" for more than 60 years.

"FELLOWS" has never been successfully imitated.

FELLOWS MEDICAL MFG. CO., LTD.
286 ST. PAUL STREET WEST. MONTREAL CANADA

Paraffinum Liquidum B.P.

ALL GRADES SAMPLES & PRICES On application to

WHOLESALE ONLY

Sterns Ltd.
16, Finsbury Sq., London, E.C.2
Telephone: National 7644 (7 lines)
Telegrams: Centumvir, Phone, London

ALSO TECHNICAL QUALITIES

Halibut Liver Oil

OF HIGH VITAMIN POTENCY

also Halibut Liver Oil Capsules and Emulsion
Ask for samples and prices

LOFTHOUSE & SALTMER LTD · HULL

KOMPO FOR COLDS

Wholesale Prices

1/3 Size
11/6 per dozen net

3/- Size
27/6 per dozen net

Carriage Paid Gross Quantities or equivalent.

Manufactured only by
J. F. WHITE & CO., LTD., Chemists
BENSON STREET, LEEDS 7
Counter Bills free on application

Science has not improved upon Sulphur

as a Spring corrective

Gibson's offer Sulphur specialities in palatable and widely acceptable form—packed and in bulk—at most handsome profit margins.

Old-fashioned

Oblong SULPHUR TABLETS
—in Rose and Lime flavours.

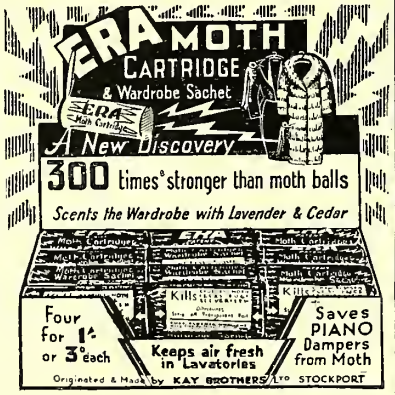
Compressed SULPHUR TABLETS
—Orange, Rose and Lime.

BRIMSTONE & TREACLE TABLETS
—a boiled sugar for the kiddies.

SULPHUR AND FIG TABLETS.

ROBERT GIBSON & SONS,
LIMITED,
MANCHESTER AND LONDON.

Quick Spring Sales


ERA MOTH
CARTRIDGE
& Wardrobe Sachet
A New Discovery
300 times stronger than moth balls
Scents the Wardrobe with Lavender & Cedar
Four for 1d or 3d each
Keeps air fresh in Lavatories
Saves PIANO Dampers from Moth
Originated & Made by KAY BROTHERS Ltd STOCKPORT

In display boxes of 24 (*illustrated*) ; on hanging cards of 12; and in boxes of "4 for 1/-."

TradePrice 24/- per gross cartridges.

From your wholesaler or write Makers:

KAY BROTHERS Ltd.
Kayborough, Reddish, Stockport
Makers also of Viper, Flysac, etc., Flycatchers

MARTINDALE SERVICE TO PHARMACISTS

•

New and Enlarged Wholesale Department now completed

•

Comprehensive stocks of all Ethical Medical Products are available

•

All products supplied at Trade Prices

•

Prompt Service

•

WIGMORE ST. · LONDON W.1

W. Martindale

SAVORY & MOORE LTD

'Phone: **WELBECK 0171**

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED

Sole Proprietors:
J. T. DAVENPORT LTD.

Union St.,
London, S.E.1

Pharmaceutical

CASTOR PREMIER OIL

Tasteless
Water-White

Made in England by

THE PREMIER OIL EXTRACTING MILLS
HULL *Ltd.*

Telegrams: "Premier, Hull" *Telephone: 15191 (8 lines)*

NOW *is not too soon!*

Better late than never, but NOW is not too soon to start selling Box's Pills.
They've been earning good profits for a steadily growing number of Pharmacists for over 50 years and could be doing so for YOU, TO-DAY.

BOX'S PILLS

P.A.T.A. Retail Prices
1/3 3/- 5/- & 22/-

W. H. BOX, 161 KING ST., PLYMOUTH

NEW PRODUCTS

now being advertised to the Medical Profession

IODAMELIS (Logeais)

An organic combination of Iodine and Hamamelidin for oral administration, which is exceptionally well tolerated and does not give rise to iodism.

THIONAIODINE (Logeais)

A complex Iodine-Sulphur-Magnesium combination for injection in the treatment of all forms of Rheumatism.

Packings and Prices.

			Retail.	Wholesale per doz.
IODAMELIS	-	Bottle of 25 c.c. with dropper	5/-	45/-
THIONAIODINE	A.	Ampoules of 5 c.c. box of 6	5/-	45/-
"	A.	" " 10 c.c. " " "	7/-	63/-
"	B.	" " 10 c.c. " " "	8/6	76/6
"	B.	" " 20 c.c. " " 4	7/-	63/-

THE ANGLO-FRENCH DRUG CO. LTD., 11-12 GUILFORD STREET, LONDON, W.C.1

Paramount

PRODUCTS

The Public prefer Paramount Confections

PERFECT PACKS
PRODIGIOUS SALES
PHARMACEUTICAL QUALITY

CF

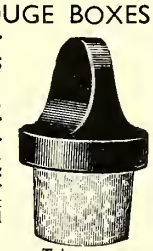
PARAMOUNT PRODUCTS LTD.
BRITANNIA HOUSE, BRADFORD

London Depot:
St. Leonards, East Sheen, S.W.14

COMPOSITION STOPPERS
BAKELITE MOULDINGS
COMPACTE COSMETIC & ROUGE BOXES

200 Varieties Any Colour.

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.



W. J. SHARPLIN, Ltd. *Telephone: Mountview 0952*
Middle Lane Works, Hornsey, LONDON, N.8

THE NEW

"NIGHTCAP" DRINK

BRINGS

PERFECT SLEEP

MASONA is a purely Herbal preparation
Packed in artistic style Retails at 1/- per bottle

APPLY FOR TERMS TO

NEWBALL & MASON Ltd., NOTTINGHAM

W. B. DICK & CO. LTD

By appointment to the late King George V.

PARAFFINUM LIQUIDUM B.P.
ALL SPECIFIC GRAVITIES GUARANTEED TO REMAIN BRIGHT AT 0° C

B.P. WHITE & YELLOW PETROLEUM JELLIES

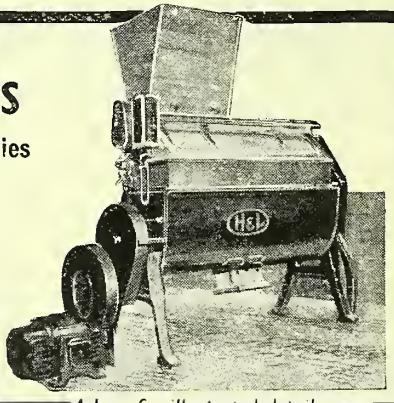
WHITE AND HALF WHITE OILS

SEND FOR SAMPLES AND QUOTATIONS (WHOLESALE ONLY)

26 GROSVENOR GARDENS, LONDON, S.W.1
Telephone - Sloane 3461 (7 lines)
Telegrams - "Dicotto, Phone, London,"
GLASGOW, LIVERPOOL, NEWCASTLE, CARDIFF AND NEW YORK.

Porteus LEEDS.

ATLAS
MIXERS & SIFTERS
Any Type—Send us your Enquiries



We will gladly advise what kind of machine is best suited for your requirements. We make every type of sifter and mixer. Sturdy, well built machines giving maximum production and efficiency.

The dependability of H. & L. machines is such that we have secured hundreds of repeat orders from satisfied users.

GEORGE PORTEUS & SONS (LEEDS) LTD.
LEEDS BRIDGE, LEEDS Phone : 28597 (3 lines)

Ask us for illustrated details

BOTTLE BOXES
of all kinds
PACKING CASES, CRATES, DRAINERS, etc.

HENRY HADFIELD, Ltd.
South Accommodation Rd., HUNSLET, LEEDS, 10

'Phone 24070 LEEDS

Grams: PACKING PHONE, LEEDS

VICHY-CÉLESTINS

The world renowned NATURAL Mineral Water.

(And the other State Springs of Vichy)

We beg to remind the Trade that the above are on the P.A.T.A. list and show a good return to retailers.

These waters are largely prescribed by Physicians, and Chemists would do well to have an ample stock on hand.

Pamphlets, Show Cards and Dummy Bottles forwarded on application.

CAUTION—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ETAT" and the name of the

SOLE AGENTS:—

INGRAM & ROYLE LTD.

Bangor Wharf, 45 Belvedere Road, London, S.E.1

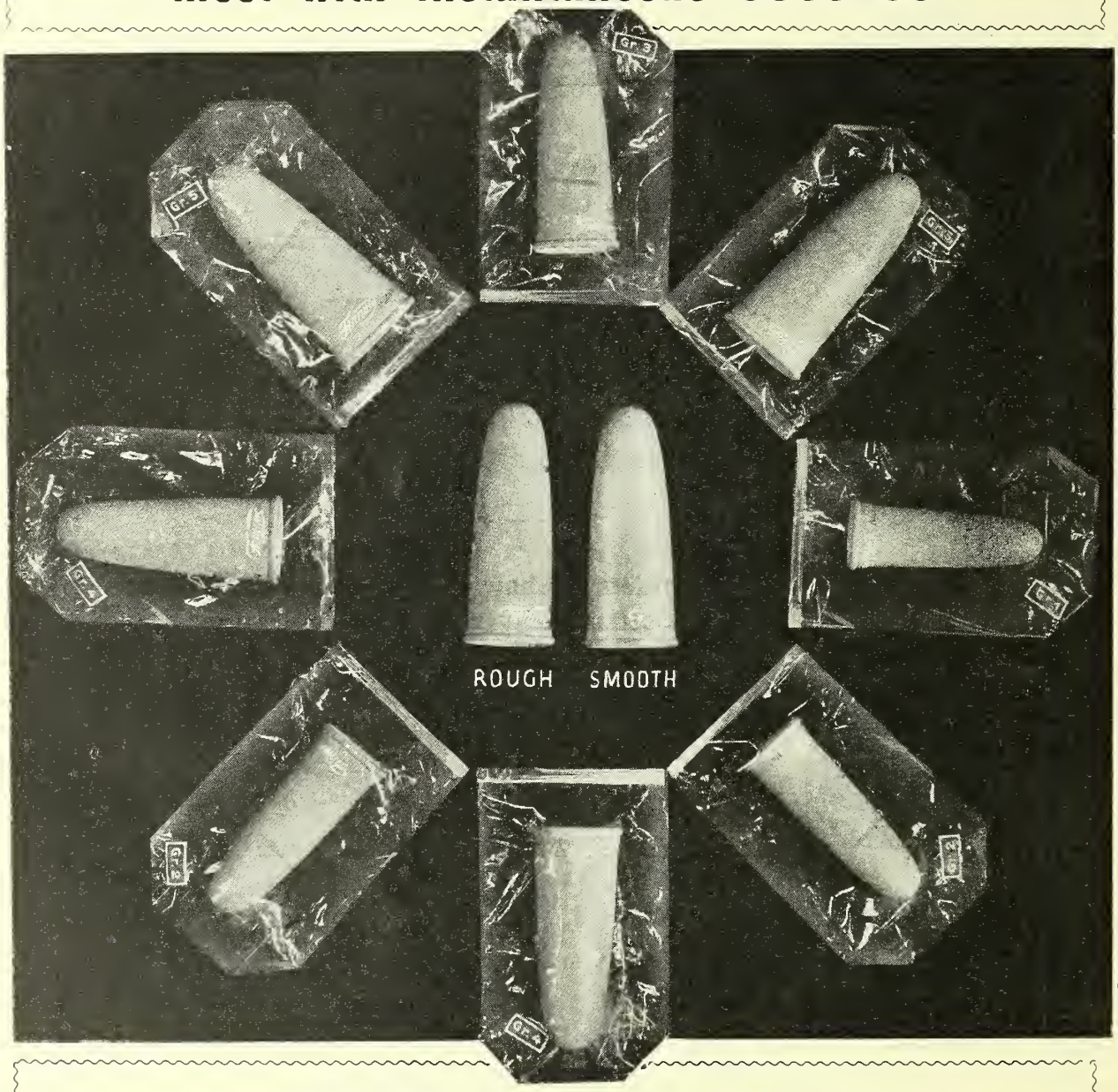
And at LIVERPOOL and BRISTOL

Telegraphic Addresses :

"Ingram-Royle Watloo, London."	**"Sprudel, Bristol."**	**"Celestins, Liverpool."**
'Phone : WATerloo 4343 (2 lines).	**'Phone : 21913.**	**'Phone : Bank 4528.**

FROMM'S Finger Stalls

meet with instantaneous SUCCESS



Definitely an advance on any finger stalls now on the market. Heat cured and made from the finest rubber. Each packed in dustproof transparent paper bag with hygienic seal. Will not deteriorate in stock for at least 3 years.

Sizes 1 to 6 rough and smooth
per gross 30/- smooth surface
,, ,, 36/- rough surface

Include a gross assorted with your next order and you will be surprised how quickly they will sell.

HERBERT FROMM, 29-31 Oxford St., London, W.1

Telephone: GERrard 6258-9 Telegrams: Frommag, Rath, London

[50/26]

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

MARCH 26, 1938

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET and FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES—6/- for **50** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

SITUATIONS OPEN—6/- for **40** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

SITUATIONS WANTED—2/- for **18** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, **1/3** per nonpareil line (12 lines = 1 inch single column). (Box No., **1/-** extra.)

MISCELLANEOUS (Wholesalers') Section for odd and second-hand lots—**10/-** for **60** words: **1/-** for every additional **10** words or less. (Box No., **1/-** extra.)

EXCHANGE COLUMN (for Retailers, etc.)—**Twopence** per word, minimum **2/-.** (Box No., **1/-** extra.)

REPLIES FROM ADVERTISERS—1/- per line; **3** lines **2/6.**

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telephone: Central 6565 (10 *lines*). *Telegrams: "Chemicus, Estrand, London."*

CLOSING FOR PRESS

must reach us not later than FIRST POST THURSDAY MORNING

All advertisements intended for insertion in this Supplement

ORRIDGE & CO.

56 LUDGATE HILL, E.C.4

ESTABLISHED 1846 *Telephone Nos.: CITY* 2283 *&* 7477

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—LONDON.—High-class Retail Business; returns under management about £6,000 per annum; long lease at very reasonable rent; net profit over £1,200; minimum purchase price £5,000.

2.—HARROW (DEATH VACANCY).—Mrs. Breingan is desirous of disposing of her late husband's business forthwith; turnover average over £40 per week under management; Arden Agency; stock and fixtures worth about £1,000; inclusive purchase price required £1,250 or near offer; two flats over.

3.—HAMMERSMITH.—General Retail Business with sub-Post Office attached; net profit £300 per annum; good, clean, saleable stock; inclusive purchase price required £450 or near offer.

4.—MIDDLESEX.—Genuine Cash Retail Business; takings average nearly £50 per week; well established; modern flat; heavy stock; Maw's fixtures; inclusive purchase price £1,650 or near offer.

5.—FOREST HILL.—Cash Retail Business for immediate disposal; turnover over £1,300 per annum; scope; leasehold premises also for sale; ground rent £10 per annum; lease 36 years unexpired; stock and fixtures worth about £375; inclusive purchase price of business and property £1,050.

6.—BRIXTON.—General Retail Business with excellent Panel; takings last year £1,472; net profit £320; stock professionally valued at £500; spacious living accommodation; reasonable rental; inclusive purchase price asked £1,000 or near offer.

7.—WEALDSTONE (NEAR).—Middle-class Business recently established; takings present rate £20 per week under management; stock and fixtures estimated by vendors to be worth about £600; modern flat over at present sublet; inclusive sacrifice purchase price £300.

8.—EAST LONDON.—Main road General Cash Retail Business with heavy Panel connection; takings last year £3,368, included over £500 from Panel; gross profit £1,358; net profit about £800; inclusive purchase price required £1,950, or valuation terms entertained.

9.—EDGWARE.—Main road Cash Retail Business situate close to station; turnover last year £2,633; net profit £633; liviug accommodation; over 20 years' lease; minimum inclusive purchase price required £1,500.

10.—SURREY.—Family Retail Business; takings approximately £2,900 per annum; excellent profits; stock and fixtures worth nearly £1,000; modern flat over at present sublet; inclusive purchase price asked £2,100, or near offer.

11.—DEVONSHIRE.—Mixed Country Retail Business, Newspapers, General Stores and Pharmacy; takings for last completed financial year £1,591, this year should be at least £200 more; good living accommodation; rent £28 per annum; minimum inclusive purchase price required £550, or valuatiou terms entertained.

12.—BRISTOL.—Middle-class General Retail Business; splendid site; takings approaching £2,000 per annum; multiple position; inclusive purchase price asked about £1,200; very valuable lease; rent only £110 per annum.

13.—BOURNEMOUTH (RETIREMENT VACANCY).—Good Class Business offering considerable scope; in present hands 14 years; turnover about £800 per annum; spacious living accommodation; purchase price asked £750; stock and fixtures worth £650.

14.—NORTH WALES.—Family Retail Business with side lines; takings last year over £2,200; good profits; premises also for sale; inclusive price required for business £1,200.

15.—YORKSHIRE.—Middle and Working-class Cash Retail Business; takings last year £1,863; net profit £370; certified accounts; rent only £30 per annum; inclusive purchase price required £650, or £200 in respect of the lease and goodwill, the stock and fixtures to be sold by valuation.

16.—GRIMSBY.—General Retail Business; net profit last year £315; Certified accounts; very good living accommodation; low rental; price required for goodwill and fixtures £250, s.a.v.; part payment terms entertained, or management with a view to succession.

17.—BLACKPOOL.—General Retail Business in excellent position; takings £1,857; gross profit £724; net profit £330; stock and fixtures worth £700; inclusive purchase price £900.

18.—BIRMINGHAM.—Good Middle-class Trade; takings last year £1,000; net profit £332; audited accounts; inclusive purchase price approximately £700; valuation terms entertained. This years shows an increase.

19.—WESTCLIFF-ON-SEA.—Middle-class Business for immediate disposal; takings £1,775; gross profit £640; stock £600; living accommodation; inclusive purchase price £900.

20.—GLOUCESTERSHIRE.—Ill-health necessitates the immediate disposal of a Country Retail Business; takiugs last year £1,200; gross profit £420; stock and fixtures worth £650–£700; good living accommodation; garden; rent £60 per annum; the vendor is prepared to accept a small sum for the goodwill and sell the stock and fixtures by valuation.

21.—HASTINGS.—Middle-class Business; net profit over £400 per annum; living accommodation; long lease; price £1,000.

22.—NORFOLK.—Drug Store with Optical; net profit £600 per annum; scope; Accountant's figures; heavy stock; valuable fixtures; price required for the lease and goodwill £650; turnover this year £2,150.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate, Sales by Auction

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants

ERNEST J. GEORGE & Co.

Bank Chambers, 329 High Holborn, London, W.C.1
Telephone Nos.: Holborn 7406 & 7407 (2 lines)

County Bldgs., Bridge St., Walsall
Telephone: Walsall 3774

Lancashire and District Representative: Mr. E. BROWN, 21 Davenport Road, Hazel Grove, Stockport. Telephone: Great Moor 2405

(C1) LANCS (GOOD-CLASS SEASIDE RESORT)—Good-class family and dispensing business (not seasonal); turnover for 1936-37. £2,041; gross profit, £877; good scope for increase, as owiug to protracted ill-health, the owner has not been able to devote to the business his full-time attention; living accommodation; reasonable rental; stock estimated at £900; fixtures, £650, and £350 is asked for goodwill; reasonable offers will, no doubt, be considered.

(C2) EDGWARE (NEAR).—Cash business, occupying prominent position in busy thoroughfare, near to extensive and growing district; certified accounts; turnover for 1936-37, £2,633; gross profit, £1,046; net, £633; self-contained flat; price £1,500, but offers considered, as an early sale is desired; owner taking up a position outside retail.

(C3) ESSEX (NEAR TO LONDON).—Main-road pharmacy, situated in improving position; spacious and double-fronted, with excellent internal fixtures; turnover for 1937, £2,344; modern six-roomed house with bathroom, etc.; returns likely to increase substantially; price £1,800, including stock and fixtures estimated at £1,450.

(C4) ELSTREE.—Well-established business must be sold forthwith, and first reasonable offer accepted; turnover for last financial year, £2,745; now averaging at the rate of approximately £42 per week, and steadily increasing; flat available if required, or 21 year lease will be granted on pharmacy, etc., only at a rental of £100 per annum; very low price accepted for quick sale.

(C5) BERKSHIRE.—Present returns approximately £2,000 per annum under management; good scope with personal attention; rent £100 per annum, including small house with garden and garage; lease 21 years; stock estimated at £700; fixtures £250; price £1,250 all at; **owner will, if necessary, accept £800 down and the balance by arrangement.**

(C6) SURREY.—Recently established business, in good-class district; owner has been offered a position outside pharmacy, and is prepared to sell for value of stock and fixtures only (approximately £700); pharmacy very attractively fitted, and there is a good flat with three bedrooms, etc.; rent £150; lease 21 years; purchaser will have the opportunity of taking over an already existing business, without the trouble and work involved when opening a new concern, and the prospects are excellent.

(C7) LEIGHTON BUZZARD (NEAR).—Drug store, entirely unopposed, with excellent scope for increase under qualified proprietorship; returns for 1936-37, £923; net profit, £274; it is estimated that the turnover for 1937-38 will reach £1,000; lock-up shop; no Sunday or half-day duty; price all at £400, or £250, s.a.v.

(C8) WILTSHIRE (**small deposit down and balance over a period by arrangement**).—Village business with good living accommodation; in present hands during past 34 years; owner retiring; very low overheads; present returns small, but capable of substantial increase; stock and fixtures estimated at £550; offers invited; please state amount of capital available.

(C9) RAYNES PARK (NEAR).—Attractive main-road business occupying prominent position in middle-class, residential suburb, near to leading multiples; turnover for 1936-37, £2,847; gross profit £1,080; net profit to Owner-Proprietor £600-£700; rent £220, including up-to-date flat; lease 17 years; price £1,500, plus stock at valuation (estimated at £480).

(C10) SOUTH COAST (POPULAR SEASIDE RESORT).—Unopposed non-seasonal, middle-class, cash business, with steadily increasing turnover; returns for 1935-36, £1,833; 1936-37, £2,027; 1937-38, £2,184; net profit 1937-38, £510; rent £65; rates £17 10s.; price £1,000 or near offer.

(C11) LIVERPOOL.—City business, with steadily increasing turnover; returns for 1937, £2,510; this year is expected to reach £3,000; net rent £90 only; excellent position near to leading multiples; price £1,250, including stock £600; valuation terms if preferred.

(C12) BRIGHTON.—Old established; situated in popular middle-class residential suburb; spacious Pharmacy with modern front and up-to-date living accommodation; turnover for 1937 financial year, £1,789; gross profit, £641; 21 year lease will be granted at reasonable rental; price £650 for lease, goodwill, and fixtures (estimated at £250), plus stock at valuation.

(C13) WORCESTERSHIRE (NEAR).—Lock-up pharmacy, situated in small country holiday resort amid charming surroundings; turnover (certified) for last financial year, £829; gross profit £320; good living accommodation; price all-at £300; offers considered.

(C14) SUSSEX (POPULAR SEASIDE RESORT).—Good-class business, situated in congenial district; increasing returns, which for the last financial year amounted to £1,946; rent £100; living accommodation; genuine reason for selling; price about £1,350, including stock and fixtures estimated at £700.

(C15) HOVE.—Attractive main-road Pharmacy, with new shop front; present returns at the rate of approximately £1,500 per annum; should be capable of an early increase to £3,000; price £200, plus stock (at purchaser's option), estimated at £450; exceptional opportunity.

(C16) £200 OR NEAR OFFER AND BALANCE BY ARRANGEMENT.—Business situated on new estate in Kent (near to London), which is rapidly developing; turnover £20-£25 weekly; living accommodation; stock and fixtures estimated at £470; excellent opportunity for beginner with small capital.

Valuations for transfer, probate, income tax, etc., promptly executed at economical rates.

THE ASSOCIATION OF MANUFACTURING CHEMISTS, LIMITED
(Business Agency, Transfer & Valuation Department)
KIMBERLEY HOUSE, Holborn Viaduct, LONDON, E.C.1 *and at* EXCHANGE CHAMBERS, 2 Bixteth St., LIVERPOOL.
PARKIN S. BOOTH, Valuer. *Tels.: CITY 3691 (4 lines).*
VALUATIONS. SALES OF BUSINESSES. STOCKTAKINGS.
Enquiries Invited.

BUSINESSES FOR DISPOSAL

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BLACKPOOL.—Old-established Business, central position, lock-up; Kodak Agency; great scope for Prescribing, Herbalist and Qualified Chemists; good profits; own lines; room for increase; price £700 or nearest; stock £350 to £375; fullest details genuine buyers with necessary capital at interview only; secure now for early season trade; owner other interests. 131/1, Office of this Paper.

BOURNEMOUTH.—Main road position (see article page 391, "Hairdressers' Journal," January 29); exceptional opportunity for Qualified Chemist. At present Tobacconist and Hairdresser; suggest substituting Chemists for tobacco; no opposition; profits from Hairdressing more than cover rent of premises, which have two flats above. To those with small capital interested and wanting proof, write or call (Sunday no objection), Owner, 12 Carbery Row, Southbourne Road, Bournemouth. Alight Irving Road bus stop. Telephone: Southbourne 1231.

DERBYSHIRE.—Old-established Chemist's business, at present under management; death and other interests compels immediate disposal; definite scope under owner proprietor; interview by appointment only; inclusive price £850, or on valuation terms. C. Cox & Co. (Disp. Chemists), Ltd., 17 High Street, Buxton.

LIVERPOOL.—Modern attractive Pharmacy in main thoroughfare; turnover £20 weekly, exclusive of N.H.I.; genuine scope for increase under personal control; low rent; fittings £250; stock £200; clean stocks and good quality; mahogany fittings; excellent opportunity for newly Qualified; price asked for quick sale £450. 125/7, Office of this Paper.

LONDON, E.—Opportunity to acquire neglected Branch Business in populous working-class district at bargain price; takings £1,030 per annum; rent and rates £103 per annum; living accommodation; good profits; takings could definitely be quickly increased under energetic personal management; stock £160; first reasonable offer secures. Further particulars to genuine inquirers, 130/9, Office of this Paper.

N.E. LANCS industrial town; branch business; good N.H.I.; turnover £1,100; Kodak, Selo and Ucal agencies; wine licence; established 15 years; good living accommodation; lease or would sell property; good living for Chemist able to give personal attention; stock and fixtures £650. 323/740, Office of this Paper.

SOUTH COAST.—Attractive modern Pharmacy, lock-up, established 16 years; showing over £400 net profit; immediate sale desired by owner, retiring on account of ill-health; full details given to genuine inquirers, with capital at command. 127/3, Office of this Paper.

TEES-SIDE.—Middle-class, light Retail, main road business for disposal; good Photographic and D. & P. connexion; Kodak Agency; increasing turnover, at present averaging over £26 weekly; rent £57, rates £37; net profit £300; price £750. Particulars on receipt of banker's reference. 128/2, Office of this Paper.

A QUALIFIED Man with progressive and enterprising mind, could add Dispensing to a 60 years', same town, same street (West of England, City, Large Town), Drug, Surgical, Rubber and Photographic Stores; Mail Order trade also; been in same family always; ill health only cause of selling; audited accounts; living accommodation; large shop; price, including goodwill, stock, fixtures, etc., £800. Particulars, 129/47, Office of this Paper.

ATTRACTIVE small Pharmacy for sale in prosperous town in Midlands; very good position with excellent prospects; lock-up shop; rent £100 on lease; price required £450; stamp for reply. Apply 130/4, Office of this Paper.

BUSINESS in heart of West End; easily worked; fine gross profits; old-established. 129/13, Office of this Paper.

CHEMIST and Druggist's Business in Kirkcaldy for sale. For further particulars apply to Jenkins & Jardine, Solicitors, 80 Port Street, Stirling.

DRUG STORE.—Lock-up, in pleasant country town; returns over £900; net profit £270; rental £20; no near opposition and a Chemist would secure immediate results after a small extra outlay; price £350, or very near offer. 129/12, Office of this Paper.

FOR SALE.—A well-fitted and well-stocked old-established Family Business, London; long lease; net profits about £400; auditors' figures; could improve under personal control; opening for Optics; owner retiring; price £500, bargain; genuine buyers with bank references only. 126/3, Office of this Paper.

RISING district, South, unopposed business; no other shopping centre to be built; turnover £1,500; rent £60 inclusive; illness sole reason for disposal; this is genuine; only requires inspection; nearest opposition 6 miles. Full particulars, 129/23, Office of this Paper.

£350, ALL AT, will acquire profitable growing business in populous working-class district near to King's Cross; certified turnover for 1937 financial year, £1,107; gross profit £521; net £325; no Sunday duty; rent £80 inclusive; exceptional opportunity for Chemist with small capital; immediate sale desired for genuine reasons. Ernest J. George & Co., 329 High Holborn, London, W.C.1.

BUSINESSES WANTED

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

PUBLIC Company owning nationally advertised food wishes to obtain control of established business with national sales organisation calling on Pharmacists. Principals please apply in confidence to Linklaters & Paines, 2 Bond Court, Walbrook, London, E.C.4.

PREMISES TO LET

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

HIGHGATE, N.2.—Chemist's opportunity; centre of high-class residential area; Shop in modern parade, with or without upper part; rent moderate; shop fronts fitted; wood-block floors. Snell & Co., 22 Aylmer Parade, N.2 (corner Great North Road and Barnet By-pass). Mountview 4422.

PECKHAM.—Main road; corner shop with excellent living accommodation above and garage space; opposite huge new block of flats which will be opened shortly and in the centre of a thickly populated area; premises will be entirely redecorated to tenant's choice; exceptionally low rent, £80 per annum. Apply King, 42 Goswell Road, London, E.C.1. 'Phone Clerkenwell 2316.

ATKINSON & MARLER, 12 Broadway, Stoneleigh, Epsom, have clients offering lock-up shops and shops with flats over in the following centres: High Street, Banstead; High Street, Ewell; Gosport; Claybury, Ilford; North Cheam; Broadway, Stoneleigh, and Worcester Park, Surrey. Most reasonable rents from £75 per annum, and favourable conditions to tenants. Please write for particulars.

GOOD OPENING FOR CHEMIST.—Wood Green, close tube station; newly constructed shop and premises to be let on lease; rent £100 per annum exclusive. Keys, Hillyers, 270 West Green Road, N.15.

GOOD Opening in the centre of East Barnet for Chemist Shop, with flat over; front fitted to requirements. Also in other districts. Apply C. F. Day, Ltd., 705 High Road, N.12.

SHOP To Let in attractive Parade near Sidcup; Grocer, Tobacconist, Confectioners, Greengrocer and Electrician already trading; for Chemist this is a grand opportunity; rent low, excellent living accommodation; shopfront provided. Apply the Owner, 27B Devonshire Street, London, W.1.

FACTORIES

SURREY.—Ideal premises suitable for distributing centre or light manufacturing in Surrey town on London-Brighton road; opposite station and having frontage on two roads; fitted 3-ton lift and all conveniences including living accommodation; 12,000 super ft.; to be let or sold. 323/747, Office of this Paper.

COMPANY REGISTRATION

I DO not know what to add to what I have been saying consistently in this space for more than 25 years about the advantages of trading on safety lines as a Private Limited Company of two or more persons. If this interests *you*, please write for my inclusive quotation and full particulars.

A. B. SLACK,

721 PRINCESS ROAD, MANCHESTER, 20.

FINANCIAL

OWNER-OCCUPIERS of Shop Property in need of capital are invited to get in touch with the Advertiser, who is prepared to invest in shop property where owner-occupier will remain tenant on long lease at reasonable rental. Dodds, High Meadows, Gerrards Cross.

BUSINESS OPPORTUNITIES

MANEX LTD.

THE Liquidator of the above Company has instructions to offer for sale:—

(a) The Assets of the business as a whole, including Stock-in-Trade, Trade Marks and Goodwill, Book Debts and Plant and Equipment at Barton, Manchester, with or without continuance of the rental agreement for the Company's premises there;

or

(b) The Stock-in-Trade, Trade Marks and Goodwill of the business only.

All communications should be addressed to the Liquidator, Mr. P. C. Parker, 64A Bridge Street, Manchester. The trade is advised that all Manex Preparations may be obtained as previously from the Factory at Barton, Manchester, or through usual Wholesalers.

EDUCATIONAL

WELL-PAID POSITIONS have been offered to all graduated students, with personality, of the National School of Chiropody—the largest, most successful, most expertly staffed, and best-equipped school in the world, with exceptional practical training in Foot Hospitals treating over 100,000 patients annually. Full qualification in six months through complete, intensive course. Next term commencing shortly. Write for Prospectus, National School of Chiropody (Dept. 90), 133 Upper Street, London, N.1.

PARTNERSHIPS

PHARMACIST desires Partnership or Arrangement with Unqualified, where part-time services would be beneficial; must be thoroughly sound with good turnover in London; wholesale business not objected to. Send (in confidence) full particulars, with 3 years' turnover and profits, and your proposition to 129/54, Office of this Paper.

PATENTS

APPLICATIONS invited for sole U.K. rights of manufacture and sale on favourable royalty basis, of new Scientific Tooth Paste, in excellent demand on Continent. All propaganda acquirer's affair. Reply to 126/4, Office of this Paper.

AGENCIES

AGENTS required, already calling on Chemists, Hairdressers and Stores, to handle well-advertised line. Apply in writing, giving full details of experience, territory, number of open accounts, etc., EBE Products, Ltd., 11 Diana Place, Euston Road, N.W.1.

AGENTS required with first-class Chemists' connexions in all areas, for Proprietary Article, practically free of competition; good commission; only expert Salesmen need apply, stating number of accounts and area covered. Write 129/16, Office of this Paper.

TO OWNERS OF PROPRIETARIES.

AN up-to-date, progressive house of Manufacturing Chemists, with a large, fully-equipped factory in London, invites enquiries from principals for the MANUFACTURE, PACKING AND DISTRIBUTION of Proprietary Pharmaceutical Preparations. Manufacturing Dept., 64 Hatton Garden, London, E.C.1.

SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BRADFORD (Yorks).—Junior Assistant or Improver. Apply, with full particulars re experience, salary required, etc., in first letter. Applications not answered in seven days respectfully declined. 125/5, Office of this Paper.

BRISTOL.—Qualified Assistant to act as Manager under supervision. Apply with usual particulars and salary required, 124/7, Office of this Paper.

COVENTRY.—Unqualified Junior Assistant of gentlemanly appearance and address for best-class Dispensing and Toilet business. State full particulars and enclose photograph, C. H. Welton, 10 Stoney Road, Coventry.

KINGSTON - ON - THAMES.—Unqualified permanent Assistant wanted, mainly for Dispensing and making of own Preparations; quick and reliable worker; no Sunday or half-holiday duty. Full particulars salary, age, experience, photograph and copy of testimonials, returnable, Tamplin & Son, 19 Eden Street, Kingston-on-Thames.

LIVERPOOL.—Qualified Junior. State age, salary, qualifications and all particulars for Central City business. 128/4, Office of this Paper.

LONDON.—Manager, small working-class business; suit recently Qualified or one seeking first managership; good Window-dresser, Dispenser; cheerful disposition; no Sunday duty. Apply with references and photo, stating salary required. Chemist, 13 Mead Lodge, Southfield Road, W.4.

LONDON, S.E.—Qualified Assistant (male) required shortly for a good-class Family and Dispensing business; permanency; also Unqualified Junior Assistant from about June to end of September. Apply, stating experience, age, height, salary required, 131/3, Office of this Paper.

LONDON, W.1.—Qualified Assistant required; must be a smart Counterman. State experience and salary required to 129/29, Office of this Paper.

N.W. LONDON.—Branch Manager wanted, also Unqualified Assistant, either sex. Apply, stating age, experience, salary required, to Head Office, Wm. Fox & Sons, Ltd., 109-111 Bethnal Green Road, London, E.2 (10 minutes from Liverpool Street).

NOTTINGHAM DISTRICT.—Chemist requires Young Lady, previous experience of Toilet and Fancy Goods Trade an advantage; able to dress windows. Write 323/750, Office of this Paper.

SWANSEA DISTRICT.—Junior or Improver. Apply, stating age, height, experience, salary expected; enclose photo (to be returned), 131/2, Office of this Paper.

TUNBRIDGE WELLS.—Unqualified Junior required for high-class business after Easter. Apply, giving full particulars and salary required, to Mr. J. H. Bishop, The Broadway Pharmacy.

ASSISTANT, Unqualified (male), near London; good prospects for good all-round man; kindly give particulars of experience, age, salary required, and when free. 128/7, Office of this Paper.

AT ONCE.—Part-time Assistant wanted, 3 nights a week for 2 hours in South London; not necessarily Qualified if competent; principally Dispensing. State salary, reference required. Hanham, Chemist, 29 Grove Vale, East Dulwich, S.E.22. Telephone, New Cross 3516.

CAPABLE Qualified Man offered permanency with prospects, in better-class business in North London; must have window-dressing experience and be a Counter hand of good address. Write in confidence, age, particulars of experience, when free and salary expected, 129/11, Office of this Paper.

EXPERIENCED D. & P. worker required (either sex); preference given to one who has experience of a Chemist's business. Full particulars of experience, age, references and salary to Calkin, Chemist, Salcombe, S. Devon.

JUNIOR Assistant required, Dispensing and general routine. State age, height, salary required, references, Cox, Chemist, Wealdstone.

JUNIOR Dispenser, male, required immediately; good salary for competent man. Apply Mr. Youings, c/o Drs. Jonas, Shaw, Harper, Saunders and Gilbert, 30 Bear Street, Barnstaple.

JUNIOR Unqualified Assistant wanted for good-class Dispensing business. R. C. Harrison, Beacon Hill, Hindhead, Surrey.

JUNIOR, Unqualified, male preferred, for good-class Dispensing business; also Locum, Unqualified, for some weeks from May 7. All particulars in first letter to H. Reynolds, 15 West Avenue, Worthing.

LADY Assistant required after Easter; Unqualified or Hall; Dispensing, Counter, Photographic (Sales), high-class Toilets; must be of good appearance and good Saleswoman. Full particulars, age, salary, experience, etc. (photo if possible), to Miss C. M. Joyce, Chemist, Loughborough.

LEWIS'S, LTD., Birmingham, require a Qualified, young Pharmacist, female. Write, stating age, experience and salary required, to Staff Manager.

LOCUM required (Lady), from July 11-30, for Hospital (114 beds), South Coast. State terms, 129/42, Office of this Paper.

MALE Qualified Pharmacist (aged about 30) required, solely for heavy N.H.I. Dispensing; London (East) suburb; must be a quick and accurate Dispenser and must have had previous experience at this work. 127/7, Office of this Paper.

PHARMACY.—Female Assistant required; must have had general and Pharmaceutical experience; widows and single persons only considered. Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Limited, 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." *Note.*—Canvassing of members of the General Committee or Officials will disqualify.

PHARMACY.—Unqualified male Assistant required, with experience. Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Limited, 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." *Note.*—Canvassing of members of the General Committee or Officials will disqualify.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

QUALIFIED Assistant required Provincial town; general Retail, Dispensing and Photographic, in high-class business. Apply, giving age, height, details of experience, photo (returnable) and salary required. Apply 129/36, Office of this Paper.

QUALIFIED Assistant wanted at once; neat and accurate Dispenser; good appearance and address. Apply by letter, stating age, height, experience and salary expected. Applications not answered in 4 days respectfully declined. Hall, Chemist, Pinner.

QUALIFIED Assistant (23-25) wanted; good Salesman, with thorough knowledge of Photographic trade for nice class Family Business. Full particulars of experience and salary required to Charles Dewing, Chemist, Old Market Place, Grimsby.

QUALIFIED Branch Manager required for good-class country and seaside business; house provided over shop; must be a good Dispenser and used to Photographic trade. Kirkman, New Milton, Hants.

QUALIFIED Chemist-Optician required in a Gloucestershire county town; it will be appreciated, when replying, if the fullest details of business experience be sent, accompanied by a photograph, if possible. The berth needs a reliable man, and if experienced in country business it will be advantageous. Kindly reply to Bannister & Thatcher, Ltd., 132 Caldmore Road, Walsall, Staffs.

QUALIFIED.—Lady, knowledge of Beauty Culture preferred. Apply, stating salary, etc., L. W. Kinleside, Ltd., 106 Northfield Avenue, Ealing, W.13.

QUALIFIED Lady or Gentleman for South Devon; comfortable post; permanent. State salary and usual particulars, 128/1, Office of this Paper.

QUALIFIED Locum required for London branches, May to October (six months). Apply Churchills Chemists, Ltd., 350 High Road, Tottenham, N.17.

QUALIFIED.—Smart Young Assistant required, preferably used to quick Counter trade; permanent position for suitable applicant. Write, giving details of experience and commencing salary required, to M. B. (Personal), Victoria Pharmacy, Ltd., 7 Wilton Road, London, S.W.1.

QUALIFIED (22-25), good Dispenser and Counterman; state age, height, when disengaged and salary required. Chater, Chemists, Watford.

REQUIRED immediately, two reliable men; one Qualified and one Unqualified, for brisk business in N.E. London; a permanency for two keen and conscientious men. Full particulars in first letter, 129/21, Office of this Paper.

REQUIRED, June, capable Qualified man to take charge important working-class business London; comfortable berth, progressive salary, free house; must show proof of managerial capacity. Apply 129/31, Office of this Paper.

TIMOTHY WHITES & TAYLORS are opening new branches and require several Qualified Managers (age 25-35 years), capable of controlling staff and stocks; good knowledge of display. Apply, giving full details, salary required, to Retail Staff Manager, 70 Vauxhall Bridge Road, London S.W.1.

TIMOTHY WHITES & TAYLORS require Unqualified Assistants immediately for holiday relief duties also for seasonal duties. Applicants must be reliable Dispensers and have had good Counter experience. Apply, giving full particulars to Retail Staff Manager, 70 Vauxhall Bridge Road, London, S.W.1.

UNQUALIFIED Assistant (male) required for D. & P. department. Apply, stating salary required, to R. S. Giles, 211-213 Newark Road, Lincoln.

UNQUALIFIED Assistant required for good-class business in S.E. London (not over 30); must be experienced in all departments and have a good Counter manner. Give full particulars of age, experience and salary required to Bernard Phillips, Ltd., 27 Northcote Road, S.W.11.

UNQUALIFIED Assistant required for new branch in Ilkeston; good all-round experience; accurate Dispenser; smart Counter manners. Write 323/749, Office of this Paper.

UNQUALIFIED Assistant required, Man (age 25-35); reliable Dispenser, capable Salesman; Outer East London district. Write, giving full particulars, or call, Wilson, 741 Barking Road, Plaistow, E.13.

UNQUALIFIED Assistant with good Counter experience wanted in a London Pharmacy; permanency; no Sunday duty. Give full particulars as to experience, references, age, height and salary required to 129/45, Office of this Paper.

UNQUALIFIED Junior Assistant required for good-class business in pleasant Sussex town; must have Dispensing and Photographic experience. Send full particulars with photo if possible. Tavener, Broadway, Crowborough.

WANTED in about a month to six weeks time, smart Male Dispenser (Qualified), single (age 24-30), for good-class business on outskirts of Brighton. Apply, stating salary expected, with references (copies only), 129/40, Office of this Paper.

WANTED, Junior Assistant for S.W. London; Counter and N.H.I. Dispensing. Apply, stating age, experience and wages required to 129/41, Office of this Paper.

WANTED.—Qualified Assistant, London, lady or gentleman, elderly or otherwise; easy, comfortable berth; would consider view to purchase. Please apply, stating salary, etc.; must be moderate. 126/300, Office of this Paper.

YOUNG Chemist-Optician required in small town in the West of England; salary £208 yearly with nice house and garden, and commission on optical turnover; very comfortable job, with reasonable hours, little or no Sunday or holiday duty; good references most essential, as the position is one of trust. 323/746, Office of this Paper.

YOUNG Lady for Counter work and Window-dressing only; good knowledge of Cosmetics essential. Apply giving full particulars to Hillman Attwell, Ltd., Cranleigh, Surrey.

WHOLESALE

ARE there any First-class Representatives left? If so, we want them, to introduce exclusive beauty series; unparalleled opportunities for men who can get results; only those with car, experience, good connexion and highest references need apply. All territories required. 323/744 Office of this Paper.

GRAND Opportunity for Travellers to carry a new line; sold by Chemists, Grocers, General Stores and Cafés; perpetual sales and no competition. Write Box 428, c/o Foster Turner, 7 Walbrook, E.C.4.

JUNIOR Qualified Chemist required as Assistant in Laboratory for large Perfumery House East End London. Write 323/748, Office of this Paper.

EXCELLENT SIDE LINE.—Camera Manufacturers require live Representatives in London and outer districts; Midlands, South-East and East Coast, with connexions amongst Chemists, to carry exceptionally good line at popular price. Applicants must state counties and give fullest particulars. 128/17, Office of this Paper.

MESSRS. GLYCINA LTD., manufacturers of Glysolid Solidified Glycerine, have a few vacancies for Representatives calling on Chemists in parts of England and Northern Ireland; state territory covered and lines carried. Glycina Ltd., 33 Charterhouse Square, London, E.C.1.

POWDER Puff Manufacturers require Representatives all areas; splendid additional opportunity to those already calling on Wholesale and Retail; good commission. Apply P.C.B. 277/16, Office of this Paper.

REPRESENTATIVES required to introduce leading Herbal Remedies on commission basis; unlimited scope for those who have connexions with good Herbalists, Chemists, etc. Write, giving full particulars and territory covered, to 128/16, Office of this Paper.

TRAVELLERS, calling on Stores and Chemists, required to handle "Sunbronze" Preparations, which are widely advertised and have tremendous sales. A side line which would produce a good income to a smart man; excellent commission. Send full details to Sunbronze Laboratories, Swansea.

UNQUALIFIED Chemist required to take charge of mixing of Liquid Soaps, Creams and Jellies; West Riding district. State age, experience and salary required, to 322/718, Office of this Paper.

WANTED.—Experienced female Book-keeper. Reply, stating age, experience and salary required, Box No. 9240, General Advertising Co., 44 Chancery Lane, London, W.C.2.

WELL-KNOWN Firm of Manufacturing Chemists require first-class Representatives for the following areas: Northumberland, Cumberland, Westmorland and Durham, Northern Ireland, North Wales; car owners preferred; high commission basis only; products of international renown having constant and increasing demand. Write, in confidence, stating age, experience and fullest details, 323/745, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

ALERT, Qualified Assistant (aged 22-24), wanted for healthy British Colony; must have Optical and Photographic knowledge, also working knowledge of Cine Kodak. Four years' agreement; passage paid out and home. Medical examination required. Salary, first year £420, second and third years £455, and fourth year £490, subject to Exchange rates. Sailing date early April. Applicants must apply by letter only. Photographs and testimonials are not required until asked for. Letters to be sent to the Secretary, Dakin Brothers Ltd., 46 Southwark Street, S.E.1.

SITUATIONS WANTED

RETAIL (HOME)

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.—LOCUM or Permanency (full or part-time); Dispensing, Counter, Prescribing; Unregistered. Harries, 48 Offley Road, S.W.9.

A.—EXPERIENCED all branches; prize Photographer; tall, slim, quick; abstainer; Unqualified; or locum. MacLellan, "Far Green," Coaley, Cam, Glos.

A.—QUALIFIED Chemist seeks permanent congenial post as Manager; London or near; excellent and varied experience in all branches, contemplates marriage; salary and living accommodation; free one month. 128/15, Office of this Paper.

A QUALIFIED man (30), well educated, seeks post; excellent experience; single; free now. "Chemist," 72A Fellows Road, N.W.3.

ASSISTANT (26), Unqualified; all-round experience (West End); accurate Dispenser, Window-dressing; London. "C.," 44 Turneville Road, W.14.

ASSISTANT (22), Unqualified, tall, keen, seeks post in North Wales, Liverpool or Lancs coast; seasonal or permanent; Dispensing, Counter, Window, Photographic; experienced London and Wales; disengaged April 4. 129/17, Office of this Paper.

BIRMINGHAM area, Peterborough district or London preferred, but not essential; disengaged; Locum work taken. Hanley, 180 Lozells Road, Birmingham.

BRANCH Manager (38), tall; good experience; middle-class trade; N.H.I.; conscientious; highest integrity; moderate salary; disengaged. M. C., 3 Earlham Drive, Parkstone, Dorset.

D. & P., quick, clean worker; all branches; used to quantities; eight-hour service; capable charge hand; desires permanency; disengaged; ex-Army Officer. 129/3, Office of this Paper.

EXPERIENCED Manager (38), married, Dispenser, Salesman and Window-dresser; energetic. Jeffs, 166 Clarence Road, Fleet, Hants.

EXPERIENCED Qualified Manager, disengaged March 26 (owing to sale of business); highest references; interview London. Chemist, 2 Park Way, Ruislip, Middlesex.

EX-SERVICE Man (41), married, no family, seeks position; apprentice trained (Unqualified); previously Chemist's Assistant; recently in business on own account as Photo Finisher; good appearance and references; willing worker. Write 323/743, Office of this Paper.

HOSPITAL RELIEF, part-time; Qualified (25), trustworthy, conscientious; good references; comprehensive retail experience; offers services free, one afternoon weekly, agreed period, in return for additional experience so gained. P.C.B. 277/15, Office of this Paper.

LADY Dispenser, well experienced, requires post with Doctors. "F.," 40 Marine Avenue, Leigh-on-Sea.

LADY Pharmacist wishes post in good locality; London and Scottish experience; no multiple firms; free one month. 129/10, Office of this Paper.

LADY (34) requires post; experienced Patent Medicines, Proprietary Toilet Goods, Buying, Selling; had entire control Drug Stores; keen business woman; excellent testimonials. 7 Whitehall Road, Thornton Heath, Surrey.

LOCUM, Chemist, experienced; recommended; excellent Prescriber; disengaged May 30; London or provinces. Chemist, 176 Long Lane, Finchley, N.3.

LOCUM, M.P.S.; young, energetic; good Dispenser and Counterman; well recommended; Leeds district preferred. Tel.: Leeds 27835.

LOCUM, Qualified, disengaged March 28; Registered N.P.U. 'Phone Bedford 3420. Wood, 13 Ford End Road, Bedford.

LOCUM (26½), Qualified; free April and May; London and Surrey preferred. Cliff, 10 Morningside Road, Worcester Park, Surrey.

MANAGER, Qualified (30), married; used to responsibility and Staff Control; high-class Pharmaceutical, Photographic and Display experience; desires post offering scope for initiative and hard work; in Bournemouth for preference but not essential; a truthful reference may be obtained from present employer, Reg. Graham, Ph.C., Cinema Buildings, Bournemouth West. Further particulars, D. Wren, M.P.S., 124 Surrey Road, Bournemouth.

PHARMACIST open for immediate engagement; Managership or Locum; thoroughly experienced. "Pharmacist," 23 Old Manor Drive, Isleworth, Middlesex.

QUALIFIED Lady (25), 6 years' experience, requires light post; part-time considered; moderate salary; S.E. London-Dartford districts. 129/4, Office of this Paper.

QUALIFIED (26); free after Easter; last position nearly three years as Manager of head branch. C. Ash, c/o Tanners Chemists, Ltd., 350 High Road, Tottenham, N.17.

SCOT (29), Unqualified, desires change; active and of good appearance; 5 years' West End experience; 3 years as manager; good experience in Counter, Dispensing, etc.; London district. 130/11, Office of this Paper.

TWO Capable Assistants require posts, progressive firm; high-class Photographics, Toilets, etc.; modern Display, Showcard writing; seasonal and City experience. 128/6, Office of this Paper.

UNQUALIFIED Assistant (45) seeks comfortable position in country Pharmacy; South preferred but not essential; good references; trustworthy and experienced; salary secondary consideration. 128/9, Office of this Paper.

UNQUALIFIED (30), Gentleman; well educated, of good appearance and address, seeks position; Continental Retail and Hospital experience; competent all departments; highest references. 129/7, Office of this Paper.

UNQUALIFIED (46); good all-round Dispensing, Counter, etc.; locum or permanency; excellent references; London area. Stevens, 27 South Hill Park, N.W.3.

YOUNG Lady (25), good appearance, seeks change; Toilets and Display; North Surrey or S.W. London preferred; free three weeks. Cooper, Aviemore, St. Nicholas Avenue, Cranleigh, Surrey.

WHOLESALE

ADVERTISER desires position, Representation or indoor staff; 25 years' experience Wholesale; connexion Lancashire, Cheshire, Wales, Shropshire. 129/26, Office of this Paper.

ADVERTISER, exceptionally well known in the trade, would like to handle well-known lines on small commission basis; an opportunity for manufacturers to reduce their outside expenditure; good service is guaranteed, and personal call made on each retailer every three months. I have pioneered three of the trade's best sellers. 113/5, Office of this Paper.

NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

ALL DRUG AND FINE CHEMICAL WORKERS
SHOULD JOIN AT ONCE
THE CHEMICAL WORKERS' UNION
Reg. T.U. No. 1696 – Founded 1912
BENEFITS: Trade Protection, Legal Aid, Unemployment Benefit, Free Use of Employment Bureau
WRITE FOR PARTICULARS: Arthur J. Gillian, Gen. Sec., 149 Newington Causeway, London, S.E.1

ADVERTISER, experienced Salesman and Organiser, at present holding executive position controlling sales and advertising with manufacturers of chemist and store toilet product, desires change. 129/33, Office of this Paper.

ADVERTISER, Pharmacist, Retail and Representative experience, connexion S. Wales and S.W. England, seeks change; car owner; Propaganda, Proprietaries, Drugs and Sundries; salary, commission and expenses. 130/6, Office of this Paper.

COSMETIC Chemist, with wide practical experience; seeks position; good organiser; excellent references; moderate salary for progressive post. 130/10, Office of this Paper.

COSMETICS AND TOILET PREPARATIONS.—Young Man seeks progressive situation; well experienced in Compounding and Formulating all types and grades of Toilet Preparations. 129/25, Office of this Paper.

EXPERIENCED man, thorough knowledge Patent Medicines; 20 years in London house; wants post; useful in all branches of trade, including transport. Apply P.C.B. 277/5, Office of this Paper.

PHARMACIST (age 28), keen and alert, requires position with Wholesale Drug House as Representative, call on Chemists or Doctors; good appearance, excellent Salesman; own car; S.W. England preferred; small salary to commence. 127/2, Office of this Paper.

PHARMACIST (age 32) requires position as Assistant Sales Manager or Executive post with Retail Firm; salary £450 (net), with prospects of immediate and future increases; Retail record, 1927-29, suburban manager, turnover increase 75 per cent.; 1929-31, London manager, 100 per cent. increase; 1931-33, multiple firm manager, £1,200 (30 per cent.) increase; opened owu new business 1933 and have reached turnover of £4,500 in four years. Full particulars and references will be given. Applicant desires greater scope for abilities which above record proves. An interview can be arranged for any time. Apply 128/5, Office of this Paper.

REPRESENTATIVE, well known London; Medical or Toilet; all-round knowledge of Trade; assist inside if required; personality; sales ability. P.C.B. 277/14, Office of this Paper.

THIRTY Years' experience, Representative, Propagandist; car; excellent record, health, address; salary and expenses. "Hypocrates," c/o Jackson, Rowan Avenue, Boothville, Northampton.

TRAVELLER, resident Glasgow, 14 years' experience and connexion Chemists and Hairdressers; all Scotland; last 12 years with well-known firm; splendid Sales Record; exemplary character, personality and references. 129/27, Office of this Paper.

TRAVELLER (26) desires change; sound connexion amongst Hospitals, Institutions and Wholesale Chemists in the Midlands, Northern Counties and Scotland; salary, commission and expenses. Reply 129/55, Office of this Paper.

PRICE LISTS, TRADE CIRCULARS, SAMPLES, AND PRINTED MATTER

can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

COLONIAL, INDIAN AND FOREIGN

QUALIFIED Member of the Pharmaceutical Society of Malta seeks situation at salary not less than £400 yearly, anywhere in British Empire where Maltese Ph.C. Diploma is recognised, or would accept temporary position yielding means to qualify in England; reason, deplores working conditions of the profession in Malta. Write: Box R67CD, Malta Trade Journals' Service Agency, Sliema, Malta.

FOR SALE

(Articles to the value of £5-£50.)

FOR SALE.—Large quantity of Tooth Paste and Denture Powder, not a proprietary line. Write 129/8, Office of this Paper.

NATIONAL CASH REGISTER, prints sales and adds cash; perfect, but no longer needed. Reasonable. Write, W. Bennett, 35 Almond Road, N.17.

SECOND-HAND Mahogany mirror-backed Showcases, Plate-glass Doors, Boots', Nottingham, manufacture; also ground-edge Plate-glass Shelves, very cheap. Particulars or inspected, 138 Pottery Lane, Whittington Moor, Chesterfield.

MISCELLANEOUS

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

ARE YOU TIRED OF POORLY-PAID ROUTINE WORK? If so, why not be a Salesman? We are regularly introducing our trained students to SALARIED POSTS as Outdoor Salesmen. You can qualify for this well-paid progressive work by spare-time home study, after which we will introduce you to SALARIED POSTS. Write for Free Copy of 32-page book, "Salesmanship," to THE WALLACE ATTWOOD COLLEGE, LTD., (Dept. 84), Victoria House, Southampton Row, London, W.C.1.

CASH REGISTERS, NATIONAL, £10 to £25; over 100 to choose from, including Ticket Issuers; Avery Personal Weigher, £12 10s., as new; guaranteed genuine bargains at Great Britain's cheapest and largest central depot. Cash Tills, 15s. AMALGAMATED BUSINESS MACHINES, LTD., 78 LONG LANE, SMITHFIELD, E.C.1. 'Phone: NATional 0674. Easy terms, Exchanges, Repairs, Overhauls (estimates free). Supplies. Machines bought for cash.

COMPLETE PHARMACY in Mahogany for £63 10s. Comprising: 12 ft. Drug Run, 8 ft. Wall Case, 6 ft. 6 in. Dispensing Screen with Showcase front, Mirror-back and Plate-glass shelves; 10 ft. Counter with Showcase front; many other sets in Oak or Mahogany. New and Second-hand. New SHOP FRONTS of modern design. Estimates and Drawings FREE. Call or write: RUDDUCK & CO., 219 Old Street, London, E.C.1.

SHOP SOILED FITTINGS.—A complete set in Light Oak suitable for beginner or branch; can be seen at, or full particulars from, PHILIP JOSEPHS & SONS, LTD., 90-92 St. John Street, Clerkenwell, E.C.1. Telephone Clerkenwell 4111-2. "Pharmacy Fitters for over a century."

TREBLES for New and Second-hand Fittings, Alterations, Shop Fronts, Glass Cases, Dispensing Screens, Counters, Drawers, Service Trays, Window Fittings, Wall Cases. Send your requirements, 549 Lea Bridge Road, Leyton, London, E.10. 'Phone: LEY 2370.

EXCHANGE COLUMN

2d. per word, minimum 2s. (Box No., 1s. extra.)

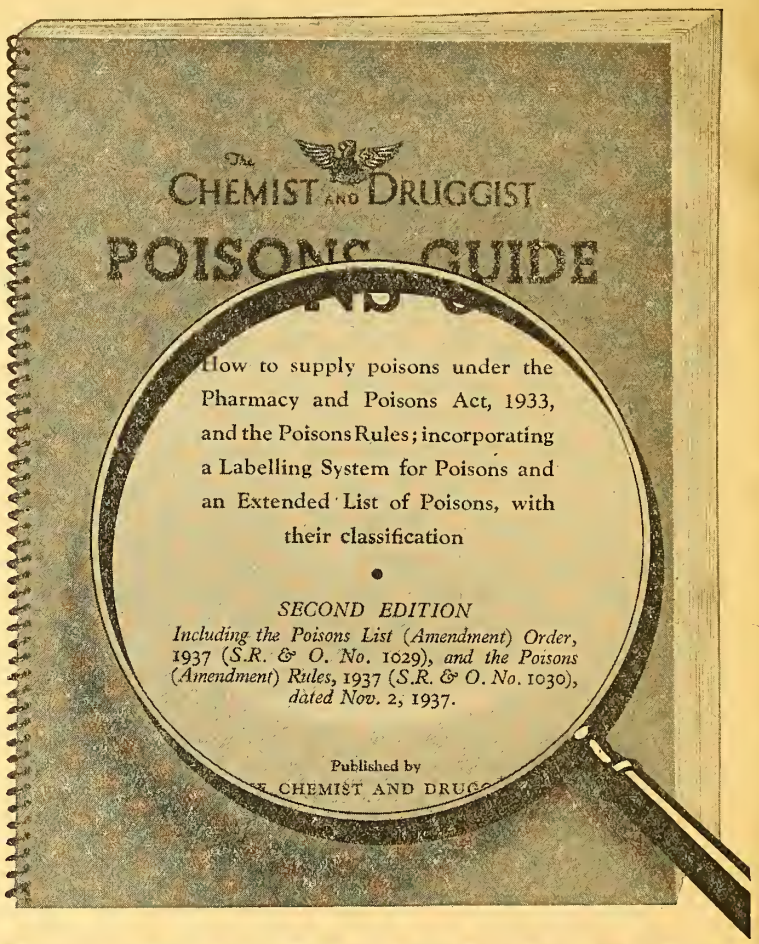
WANTED

WANTED.—Dark Room equipment, second-hand, good condition. Full particulars to the Secretary, Palmers Stores, Hammersmith, W.6.

You need this NEW

POISONS GUIDE

It has been revised to include all changes in Poisons legislation up to December 31, 1937


The CHEMIST AND DRUGGIST
POISONS GUIDE
How to supply poisons under the Pharmacy and Poisons Act, 1933, and the Poisons Rules; incorporating a Labelling System for Poisons and an Extended List of Poisons, with their classification
SECOND EDITION
Including the Poisons List (Amendment) Order, 1937 (S.R. & O. No. 1029), and the Poisons (Amendment) Rules, 1937 (S.R. & O. No. 1030), dated Nov. 2, 1937.
Published by
CHEMIST AND DRUG

THE MOST COMPLETE POISONS GUIDE OBTAINABLE

Over THREE THOUSAND entries. New articles on Poisons Control, Wholesale Dealing, Veterinary Medicines, Characters and Containers, and a Poisons Labelling System. Glossary extended and improved as a result of two years' practical experience in dealing with the everyday difficulties of retailers, wholesalers and manufacturers.

Half as big again as the first edition published two years ago

Price 4'6 4/9 Post Free

Supplies also available through your usual wholesaler.

ORDER NOW, USING THIS COUPON

THE CHEMIST AND DRUGGIST, 28 Essex Street, Strand, LONDON, W.C.2

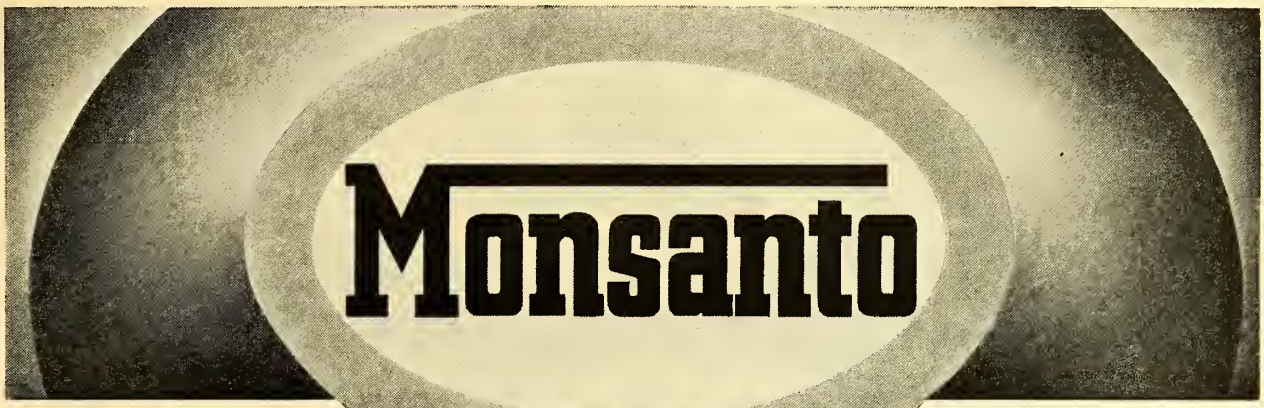
Please send me / us ..... copy / copies *of The Chemist and Druggist Poisons Guide*

Affix Address Label here .....

Postal Order for .....

herewith

Printed in Great Britain for the Proprietors by EYRE AND SPOTTISWOODE LIMITED, His Majesty's Printers, East Harding Street, London, E.C.4, and Published by the Proprietors, MORGAN BROTHERS (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.—*March* 26, 1938. [62/26



BENZOATES

BENZOIC ACID B.P.

Pure White Needle Crystals or Powder

SODIUM BENZOATE B.P.

Pure White Powder

BRITISH MADE

from our own Raw Material, therefore, uniformity of finished product is guaranteed.

MONSANTO CHEMICALS LIMITED VICTORIA STATION HOUSE, LONDON, S.W.1
NORTHERN SALES OFFICE: KING'S HOUSE, KING STREET W., MANCHESTER

SPECIAL SPRING CLEANING SPLASH!

Are you fully stocked up and getting the full benefit from our special Spring Cleaning advertising splash ? Constant advertising during the rest of the year will keep Scrubb's always "on the move." You will be asked for Scrubb's, so if your stock is running low, order to-day.

Scrubb's Cloudy Ammonia is an acknowledged best seller all the year round. It is the only nationally advertised Cloudy Ammonia, and generations of housewives have appreciated the truth of our claim, that "Scrubb's Cloudy Ammonia cleans anything and everything."

These are the papers being used in our Spring Splash. Most of them are being continued during the rest of 1938.

Attractive show material and special show stands are available on request

"Radio Times"
"John Bull"
"Daily Mirror"
"Daily Sketch"
"Weldons Ladies Journal"
"Woman's Own"
"Woman"
"Woman's Weekly"
"Home Notes"
"Home Chat"
"Woman's World"
"Home Companion"
"Home Journal"
"Glasgow Bulletin"
"People's Journal"
"People's Friend"
"Punch"
"Woman's Pictorial"
"Red Letter"
"Red Star Weekly"
"Weekly Welcome"
"My Weekly"
"Woman's Way"
"Woman's Companion"
"Family Journal"
"Lady's Companion"
"Home Weekly"
"Weekly Illustrated"
"Nursery World"
"The Lady"
"Good Housekeeping"
"Mother and Home"
"Wife and Home"
"Woman and Home"
"Mother"
"My Home"
"Modern Home"
"Modern Woman"
"True Story Magazine"
"Good Needlework"
"Needlewoman"

SCRUBB'S

CLOUDY AMMONIA

MEMBERS OF THE P.A.T.A.

SOLE DISTRIBUTORS:

CHEMICAL & NATURAL PRODUCTS LTD.

3 THAMES HOUSE, QUEEN STREET PLACE, LONDON, E.C.4

4d. PROFIT ON EVERY LARGE BOTTLE

Printed in Great Britain for the Proprietors by EYRE AND SPOTTISWOODE LIMITED, His Majesty's Printers, East Harding Street, London, E.C.4, and Published by the Proprietors, MORGAN BROTHERS (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.—*March* 26, 1938. [1½]

WELLCOME LIBRARY INSTITUTE